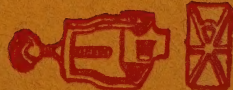


A decorative border in a dark blue/black color frames the entire page. It features stylized, symmetrical scrollwork at the top and bottom. Various piano tools are illustrated in red within the border: a long screwdriver at the top left, a small wrench and a small screwdriver in the top center, a small drum or container at the top right, a pair of pliers on the left side, and another pair of pliers on the right side.

Piano, Player Piano and Organ Tools & Materials

Lyon & Healy
Chicago

1917



1917 Catalog
OF
PIANO, PLAYER PIANO
AND ORGAN TOOLS
AND MATERIALS

INCREASED COST OF RAW
MATERIAL, STEEL, COPPER, BRASS, FELTS
ETC. ADVANCES IN SELLING PRICES ARE
MADE NECESSARY.
ALL GOODS NAMED HEREON ARE ~~SHOWN~~
AT LOWEST CURRENT PRICES.

LYON & HEALY
CHICAGO

In Ordering

State number and name of each article to prevent error.

All prices are subject to change without notice.

Terms

All prices are net wholesale F. O. B., Chicago.

To Avoid Delays

Unless credit has been established, please send cash, including postage, with order.

Cash deposit of at least one-half must accompany all C. O. D. orders.

Sending Samples

Samples of importance or merchandise sent by mail should be registered in order to insure safe delivery. Sender's name should be plainly marked on package. Money and letter should be sent under separate cover.

Prompt Shipments

We aim to keep our stock complete at all times in order to insure prompt filling of all orders.

LYON & HEALY

Piano Accessory Dept.

Chicago.

Of Interest

WE have endeavored to make this catalog as comprehensive as possible and to make it a necessary adjunct to every tuner's kit. Most of the tools contained herein are made in our own factory and bear out the axiom, "If Lyon & Healy make it, it is of the very highest quality." We employ only the most skilled workmen. Our machinery is of the latest up-to-the-minute type, and every tool manufactured by us has our unqualified guaranty.

Catalog illustrations and descriptions are sometimes very misleading. Often a cheaply made tool will bear the same description as one of the highest grade. Our tools have a distinct individuality and will be a valuable asset to those to whom accuracy is a matter of pride.

Our Piano and Player Material Department is complete and stocked constantly. By combining our piano manufacturing and jobbing requirements, our purchasing powers are greatly enhanced, thereby assuring our customers of the filling of their orders at the lowest possible price.

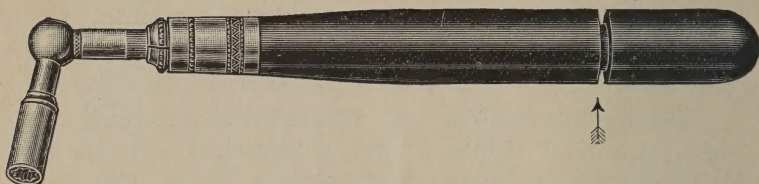
We specialize in odd and special parts and in matching samples submitted. We exercise the greatest care in executing all orders, no order being too small to be given the same careful attention as the larger ones. A trial order is earnestly solicited.

Lyon & Healy

Tuning Hammers

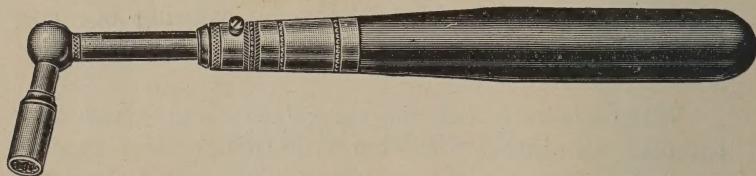
To gain the highest degree of efficiency a good Tuning Hammer is most essential.

Our Own Make



No. 1. New De Luxe Tuning Hammer, with 2½ inch star head...\$10.00

Black rubber handle, vulcanized to a steel shell in which extension rod fits. Extension rod is regulated by turning end of handle (see arrow) which operates clutch. Weight of entire hammer 14 oz.



No. 2. Tuning Hammer, with 2½ inch star head.....\$7.75

Handle of black rubber, vulcanized to a steel shell in which extension rod fits. Extension rod is regulated by a set screw which sets into groove in rod. Weight of entire hammer 14 oz.

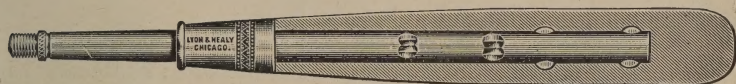
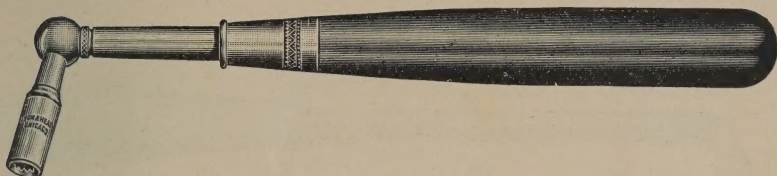
No. 3. Tuning Hammer, with 2½ inch star head, same as No. 2..\$6.75

Handle of rosewood, weight of entire hammer 14 oz.

Prices Net Wholesale, Postage Extra

Tuning Hammers

Our Own Make



- No. 4.** Improved L. & H. Tuning Hammers, with $2\frac{1}{2}$ inch star head. Handle of black rubber, vulcanized to $\frac{1}{2}$ inch steel rod, regulation length. Note construction shown in illustration. Weight of entire hammer is $12\frac{1}{2}$ oz.....\$5.00
- No. 5.** Factory Stringing Hammer, same as No. 4 only with square head 4.50

Star Head

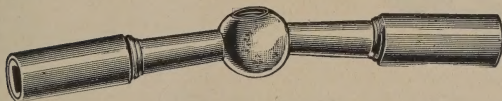


- No. 17.** Star Heads, to fit any Tuning Hammer, made in $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inch length, weight 2 oz.....\$2.50
- No. 18.** Square Heads, to fit any Tuning Hammer, made in $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inch length, weight 2 oz..... 2.00

Special Size Heads Made to Order 50c Extra

To assure perfect fit, rod must be furnished.

Double Oblong Heads



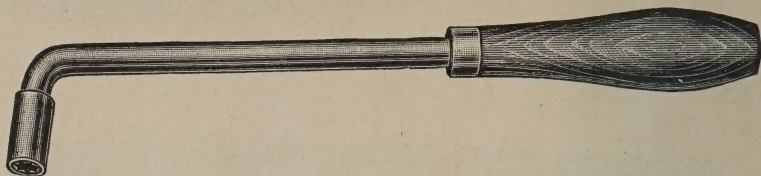
- No. 19.** Double Oblong Heads, to fit any Tuning Hammer, weight 4 oz.\$3.00

Prices Net Wholesale, Postage Extra

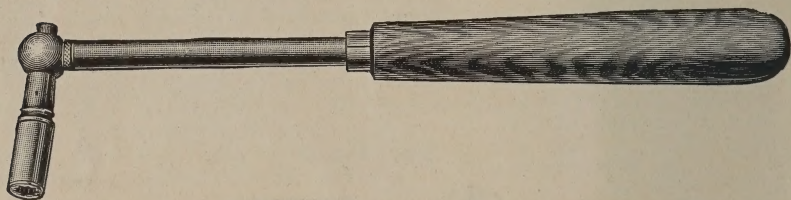
Inexpensive Tuning Hammers

Our Own Make

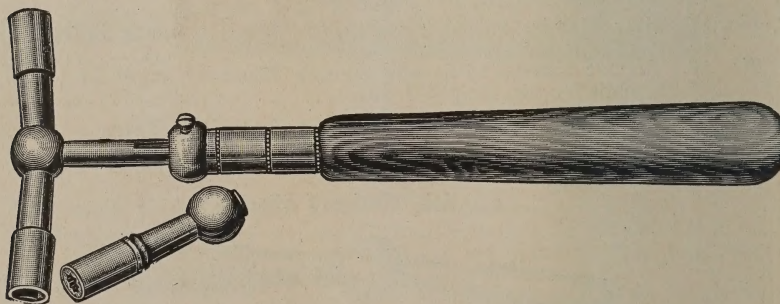
Goose Neck Hammer



- No. 6. Tuning Hammer, hardwood handle, polished; stationary rod with star head. Is used for occasions where only a few strings need tuning, weight $6\frac{1}{4}$ oz.....\$0.75



- No. 7. Tuning Hammer, hardwood handle, polished, stationary rod, with star head, $2\frac{1}{2}$ inches long, weight 10 oz.....\$1.75

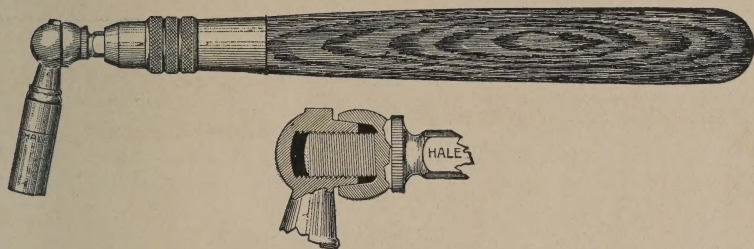


- No. 8. Improved Tuning Hammer, hardwood handle, polished, extension rod, double oblong head and single star head, $2\frac{1}{2}$ inches long, weight $14\frac{1}{4}$ oz.....\$2.25

Prices Net Wholesale, Postage Extra

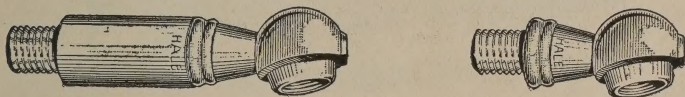
Hale Extension Tuning Hammer

With Octagon Rod



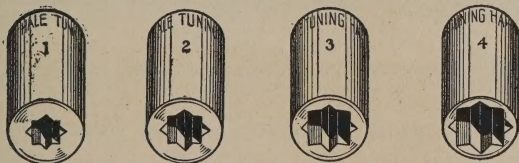
- No. 10. Hale Extension Tuning Hammer, with double head and oblong tips, long head, short head, four sizes star tips and tip wrench, handle of rosewood, weight 32 oz.....\$10.00
- No. 11. Hale Extension Tuning Hammer, same as No. 10, with one head (long or short), one star tip and tip wrench, weight 24 oz... 5.00

Heads for Hale Hammers



- No. 21. Extra Heads, without tip, long or short.....each, \$0.75

Tips for Hale Hammers



- No. 22. Extra Tips, sizes No. 1, 2, 3 and 4.....each, \$0.75
To assure perfect fit, head must be furnished.

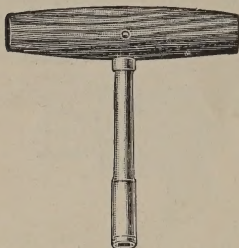
Tip Wrench

- No. 23. Tip Wrench\$0.35

Prices Net Wholesale, Postage Extra

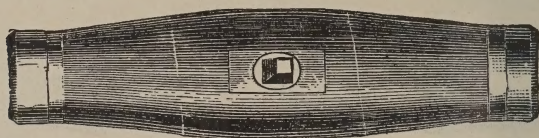
Tuning Hammer

Our Own Make



- No. 12. Tuning Hammer; cocobolo handle, stationary rod, square hole; weight, 5 oz..... \$0.75

"T" Hammer

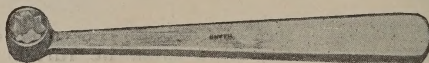


- No. 13. "T" Hammer Handle, rosewood handle with steel lining; weight, 5¼ oz.....each, \$2.00



- No. 14. "T" Hammer; rod to fit handle No. 13; square or oblong; weight, 3¼ oz.....each, \$2.25

Mason & Hamlin Tuning Wrench



- No. 16. Tuning Wrench for Mason & Hamlin Pianos; 4¾ inches long; weight, 1 oz.....each, \$1.00

Prices Net Wholesale, Postage Extra

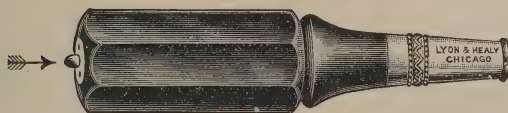
Improved Combination Screw Driver and Action Tool Handle

Our Own Make

The L. & H. Combination Handle. A tool holding device of exceptional superiority with "Hold Fast Clutch," extended to "Head Tap Release Plunger" (see arrow). Made of the best quality tool steel and hard rubber. Tools fit snugly and firmly in clutch, and can be easily released by tapping plunger on a solid base.



No. 25. Hard rubber handle, $\frac{3}{4} \times 4\frac{3}{8}$ inches, weight $3\frac{1}{2}$ oz...each, **\$1.50**



No. 26. Hard rubber handle, $1\frac{5}{8} \times 4\frac{7}{8}$ inches, weight 4 oz....each, **\$1.50**

Screw Driver Blades



No. 30. Small Screw Driver, $\frac{3}{16} \times 8$ inches long.....each, **\$0.35**

No. 31. Medium Screw Driver, $\frac{1}{4} \times 8\frac{3}{8}$ inches long.....each, **.40**

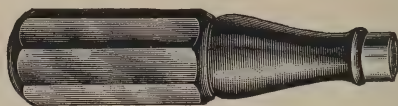
No. 32. Large Screw Driver, $\frac{5}{16} \times 8\frac{5}{8}$ inches long.....each, **.45**

These Screw Drivers are made of best quality steel, oil finished, and will fit either handle.

No. 29. A complete set of Screw Drivers and either handle, No. 25 or No. 26, weight 12 oz.....per set, **\$2.50**

Prices Net Wholesale, Postage Extra

Piano Tool and Screw Driver Handles



No. 27. Octagon rosewood handles.

Length, inches	4 $\frac{1}{4}$	4 $\frac{5}{8}$	5
Thickness, inches	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{4}$
Each	\$0.10	\$0.12	\$0.14

No. 28. Octagon maple handles, rosewood stained.

Length, inches	4 $\frac{1}{4}$	4 $\frac{5}{8}$	5
Thickness, inches	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{4}$
Each	\$0.08	\$0.10	\$0.12

Screw Drivers

Our Own Make
For Ordinary Handle.



No. 33.	Small	Screw Driver, $\frac{5}{16}$ x8	inches long.....each,	\$0.35
No. 34.	Medium	Screw Driver, $\frac{1}{4}$ x8 $\frac{3}{8}$	inches long.....each,	.40
No. 35.	Large	Screw Driver, $\frac{5}{8}$ x8 $\frac{5}{8}$	inches long.....each,	.45

Midget Screw Drivers

THE LITTLE WONDER



No. 44.	Screw Driver, 1 $\frac{1}{4}$	inch blade.....each,	\$0.10
No. 45.	Screw Driver, 3	inch blade.....each,	.15

Extra fine quality. Tempered steel blades.

Prices Net Wholesale, Postage Extra

Screw Drivers

"Yankee" Ratchet Screw Drivers



- No. 37.** Hardwood, polished handle, steel polished blades, 4 inches long; weight $5\frac{1}{2}$ ozs.....each, \$0.50
- No. 38.** Hardwood, polished handle, steel polished blades, 5 inches long; weight, $5\frac{1}{2}$ ozs.....each, .55
- No. 39.** Hardwood, polished handle, steel polished blades 6 inches long; weight, 8 ozs.....each, .60

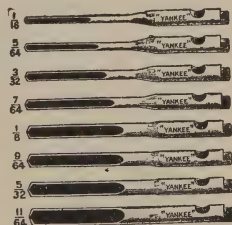
"Yankee" Spiral Ratchet Screw Drivers



- No. 49.** Hardwood, polished handle, steel, nickel plated with 3 bits. The extreme length of the tool with bit in chuck is $13\frac{1}{2}$ inches long when closed, and when extended $19\frac{1}{4}$ inches; weight, 14 oz.per set, \$1.65

Chuck and Drill Bits

- No. 50.** Chuck and Drills, complete set for use only in the No. 49. Spiral Ratchet Screw Driver, in round box; weight, $1\frac{1}{2}$ oz.per set, \$0.60



HALF ACTUAL SIZE

Prices Net Wholesale, Postage Extra

Screw Drivers

Champion Screw Drivers



- No. 41. Grooved wood handle, steel polished blades, $5\frac{1}{2}$ inches long, weight 2 oz.....each, \$0.20
 No. 42. Grooved wood handle, steel polished blades, $6\frac{1}{2}$ inches longeach, .25
 No. 43. Same as No. 42, $8\frac{1}{2}$ inches long.....each, .30

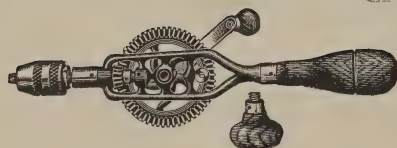


Organ Screw Driver

Our Own Make

- No. 48. Organ Screw Driver, handle made of fiber, total length of driver 2 inches, wt. $\frac{1}{2}$ oz...each, \$0.60

Hand Drills

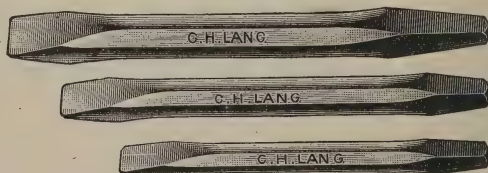


- No. 52. Hand Drill, $12\frac{1}{2}$ inches long, weight 23 oz, enameled iron, single gear, nickel plated chuck, having three jaws resting in solid sockets, cocobolo handles. Holds drills from $\frac{1}{8}$ to $\frac{3}{8}$ inch, with eight fluted drill

points in hollow handle and extra side handle.....each, \$1.60

Brace Screw Drivers

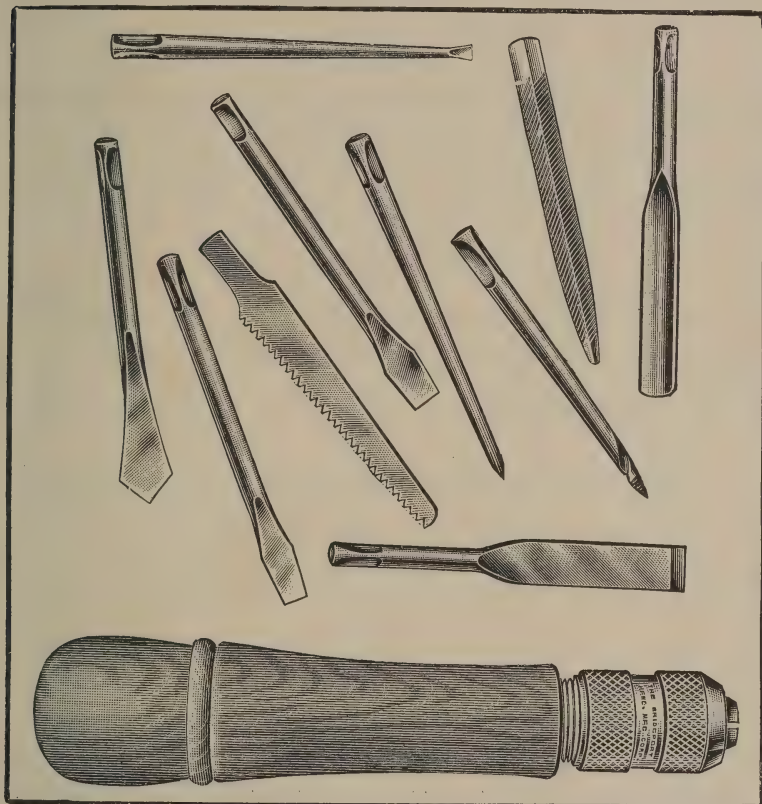
Our Own Make



- No. 53. Small Driver, $\frac{7}{8} \times 4\frac{1}{2}$ inches long.....\$0.35
 No. 54. Medium Driver, $\frac{7}{8} \times 4\frac{1}{2}$ inches long..... .45
 No. 55. Large Driver, $\frac{3}{2} \times 5\frac{1}{4}$ inches long..... .55
 Made of polished steel, best quality.

Prices Net Wholesale, Postage Extra

Improved Tool Holder with Tool Set Hollow Handle



Genuine cocobolo handle. Hand polished. The chuck is the latest, most approved type with hardened steel jaws operated by a spring and a heavy knurled steel sleeve for holding tools. This chuck is fastened securely to the handle by a heavy steel pin.

A High Grade Practical Outfit

Tool set consists of the following tempered steel tools:

- | | | |
|----------------|-----------------------|-------------|
| 1 Chisel. | 1 Large Screw Driver. | 1 Brad Awl. |
| 1 Saw. | 1 Small Screw Driver. | 1 Gimlet. |
| 1 Countersink. | 1 Scratch Awl. | 1 Gouge. |
| | | 1 File. |

Tools 4 inches long, which are neatly packed in handle. Length of handle $7\frac{1}{2}$ inches, weight 16 oz.

No. 57. Complete set of tools with handle.....\$1.35

Prices Net Wholesale, Postage Extra

Piano Action Regulating and Repair Tools

Our Own Make

Key Spacer

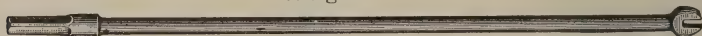


- No. 58. Key Spacer, for ordinary handle, $11\frac{1}{2}$ inches or 8 inches longeach, \$0.60
- No. 59. Key Spacer, for combination handle No. 26.....each, .60
Weight $2\frac{3}{4}$ oz.

Damper and Back Check Regulators



- No. 60. Damper and Back Check Regulator Bent, for ordinary handle, $8\frac{1}{2}$ inches long.....each, \$0.55
- No. 61. Damper and Back Check Regulator Bent, for combination handle No. 26.....each, .55
Weight 1 oz.



- No. 63. Damper and Back Check Regulator, straight, for ordinary handle, $8\frac{1}{2}$ inches long.....each, \$0.60
- No. 64. Damper and Back Check Regulator, straight, for combination handle No. 26.....each, .60
Weight 1 oz.

Regulating Screw Driver



- No. 66. Regulating Screw Driver, for ordinary handle, $7\frac{1}{2}$ inches longeach, \$0.75
- No. 67. Regulating Screw Driver, for combination handle No. 26each, .75
Weight 1 oz.

Damper Regulators



- No. 68. Damper Regulator, for ordinary handle, $6\frac{1}{2}$ in. long.each, \$0.55
- No. 69. Damper Regulator, for combination handle No. 26..each, .55

Prices Net Wholesale, Postage Extra

Piano Action Regulating and Repair Tools

Our Own Make

Back Check Regulator



- No. 71. Back Check Regulator, for ordinary handle, $3\frac{1}{2}$ inches longeach, \$0.60
 No. 72. Back Check Regulator, for combination handle No. 26each, .60
 Weight $\frac{3}{4}$ oz.

Dowel Bender



- No. 73. Dowel Bender, for ordinary handle, 4 inches long...each, \$0.60
 No. 74. Dowel Bender, for combination handle No. 26.....each, .60
 Weight 1 oz.

Hammer Shank Drill



- No. 76. Hammer Shank Drill, for ordinary handle, $3\frac{3}{8}$ inches long.\$0.45
 No. 77. Hammer Shank Drill, for No. 26 handle, 5 inches long.... .45
 Weight 1 oz.

Double Head Screw Drivers



- No. 78. Double Head Screw Driver, for ordinary handle, $5\frac{1}{2}$ inches longeach, \$0.70
 No. 79. Double Head Screw Driver, for combination handle No. 26, 6 inches long.....each, .70
 Weight 1 oz.

Rocker Screw Driver



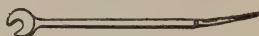
- No. 81. Rocker Screw Driver, flat steel. This tool can be used in any inconvenient place, near the bracket or on either side. 8 inches long, weight 1 oz.....\$0.45

Prices Net Wholesale, Postage Extra

Piano Action Regulating and Repair Tools

Our Own Make

Capstan Screw and Front Key Pin Regulator



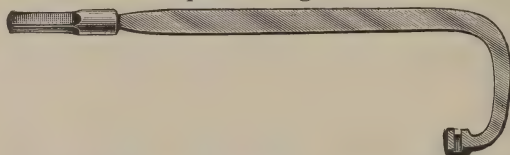
- No. 82. Capstan Screw and Front Key Pin Regulator combined,
5 inches long, weight 1 oz.....each, \$0.40

Capstan Screw Regulator

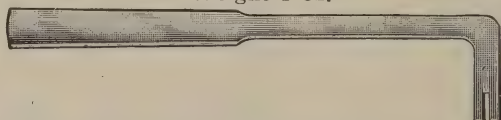


- No. 83. Capstan Screw Driver, polished, best quality steel, $4\frac{1}{4}$
inches long, weight 1 oz.....each, \$0.20

Spoon Regulators

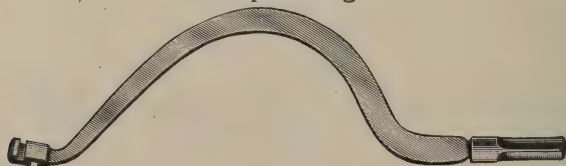


- No. 84. Spoon Regulator, for ordinary handle, $5\frac{3}{4}$ in. long..each, \$0.80
No. 85. Spoon Regulator, to fit combination handle No. 26..each, .80
Weight 1 oz.



- No. 87. Spoon Regulator, for ordinary handle.....each, \$0.70
Weight 1 oz.
No. 88. Spoon Regulator, straight.....each, .70
Weight $1\frac{1}{2}$ oz.
Can be used without handle.

Damper Regulator



- No. 89. Damper Regulator, for ordinary handle, $6\frac{1}{4}$ in. long..each, \$0.75
No. 90. Damper Regulator, for combination handle No. 26..each, .75
Weight 1 oz.

Prices Net Wholesale, Postage Extra

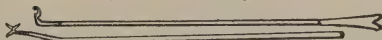
Piano Action Regulating and Repair Tools

Our Own Make

Spring Regulator

No. 92

No. 93



No. 92. Spring Regulator, with center pin adjuster, $6\frac{1}{2}$ inches long. \$0.45

No. 93. Spring Regulator, 7 inches long. .30
Weight $\frac{1}{2}$ oz.

Key Reamer

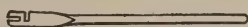
Our Own Make



No. 94. Key Reamer, 3 inches long, weight $\frac{1}{4}$ oz.each, \$0.35

Hallet and Davis Piano Jack Regulator

Our Own Make



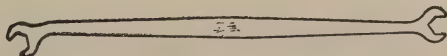
No. 95. Hallet and Davis Piano Jack Regulator, $3\frac{3}{8}$ inches long,
weight $\frac{1}{2}$ oz.\$0.35

Action Regulators



No. 96. Action Regulator, steel, nickel plated, straight, $8\frac{1}{2}$ inches
long\$0.50

Steinway Capstan Screw Regulator



Our Own Make

No. 97. Steinway Capstan Screw Regulator, $7\frac{1}{2}$ inches long, weight
 $1\frac{1}{4}$ oz.\$0.75

Prices Net Wholesale, Postage Extra

Piano Action Regulating and Repair Tools

Butt Screw Holder

Our Own Make



No. 47. New Improved Butt Screw Holder, weight 2 oz.....\$1.00

This tool has proven to be practical for the purpose of removing and inserting butt screws in action parts, without dropping. Made with rose-wood handle, solid steel blade in center, two steel prongs which operate by moving steel sleeve up and down. Steel sleeve has knurled finger hold.

Capstan Screw Driver

Our Own Make



No. 98. Capstan Screw Driver, 3 inches long, weight 4½ oz..each, \$0.40
Send sample screw when ordering driver.

Pin Vise



No. 100. Pin Vise, best quality steel. Hole bored through the handleeach, \$0.75

Pin Vise



No. 101. Pin Vise. Hole bored through. Best quality steel, 4½ inches longeach, \$0.55
These pin vises can also be used as broach holders.

Felt Pickers

Our Own Make



- No. 102. Felt Picker. Handle made of hardwood, with four stationary needles. Weight 1 oz.....\$0.35



- No. 103. Felt Picker, straight. Weight 1 oz.....\$1.25

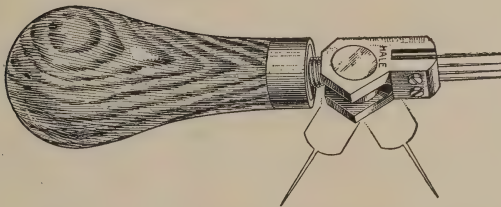


- No. 104. Felt Picker, bent.....\$1.35

In these tone regulating tools the needles are spaced and easy to remove. Reserve needles are kept inside the handle.

Felt Picker

Adjustable



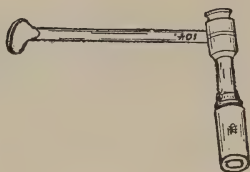
- No. 105. Felt Picker, improved. Can be adjusted into bent or straight position\$1.25

- No. 107. Felt Picker steel needles.
Per doz.05
Per package10

Prices Net Wholesale, Postage Extra

Pin Setter

Our Own Make



No. 108. Pin Setter, with string stretcher combined, weight 6 oz...\$2.00

Stringing Crank

Our Own Make



No. 109. Stringing Crank. This tool is used for winding coils on tuning pins; quick way of stringing; weight $3\frac{1}{4}$ oz.....\$1.65

Pin Extractor

Our Own Make



No. 110. Pin Extractor. Will fit into star head. Weight 1 oz....\$1.00

Tap

Our Own Make



No. 112. Tap. Used in cleaning out pin extractor when chips of old tuning pin have been left inside.....\$0.65

Prices Net Wholesale, Postage Extra

Piano Repair Tools

Hammer Iron

Our Own Make



No. 113. Made of brass with hardwood handle, weight $3\frac{1}{2}$ oz.....\$0.50

No tuner's outfit is complete without a Hammer Iron for ironing the felt on hammers after they have been filed. Filing leaves a ragged edge, by heating iron and passing it over the hammers, they take on a fresh appearance.

Tuning Forks

Our Own Make



No. 115. "C" International pitch 517.3, polished steel.....\$0.20

No. 116. "A" International pitch 435, polished steel..... .20

Blued Steel Forks

No. 117. "C" International pitch 517.3.....\$0.50

No. 618. "A" International pitch 435..... .50

No. 119. "C" Concert 540..... .50

Genuine Sheffield Forks

Blued Steel

No. 120. "C" International pitch 517.3.....\$0.85

No. 121. "A" International pitch 435..... .85

No. 122. "C" Concert pitch 540..... .85

Prices Net Wholesale, Postage Extra

Bridle Strap Inserter

Tack to be used.



No. 125. Bridle Strap Inserter, weight $3\frac{1}{4}$ oz.....\$0.75

DIRECTIONS

Insert a tack under the prongs at the point (see arrow), and then place the leather tip under the thumb and against the brass plate of tool and push the hammer butt forward in the action so as to bring it out of line of the others. The end holding the tack will readily enter the bridle hole point foremost.

The purpose of this tool is merely to place the tack and ribbon in the proper position, and is not intended to complete the operation. This part of the work is more simply and more ably done with a pair of pliers, preferably the 5 inch Duckbill, but any ordinary pliers will do very well.

No. 126. Tacks used with Bridle Strap Inserter No. 125..per box, \$0.05

Bridle Strap Inserter

Our Own Make

Glue to be used.



No. 127. Bridle Strap Tool.....\$0.75

Tool has a collar with a hook, which can be adjusted for any length bridle straps. Apply glue on strap after being placed on tool, and it can be easily brought to the hammer butt through back stop. Weight 2 oz.

Bridle Strap Knife

Our Own Make

No. 128. Knife, for ordinary handle.....\$0.50

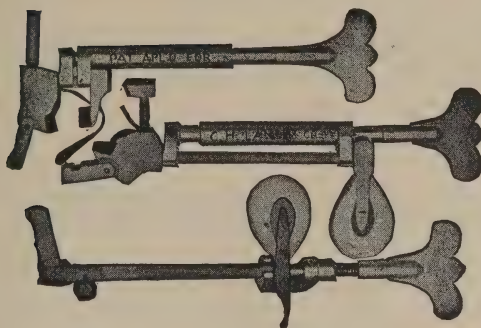
No. 129. Knife, for combination handle. For removing old bridle straps50

This practical knife can easily reach into the hammer butt and will remove tape and glue to a clean surface, ready for new straps.

Prices Net Wholesale, Postage Extra

Hammer Extractor

Our Own Make



- No. 130.** New Improved Hammer Butt and Shank Extractor. Can be used on any style of piano. Does not mar nor clamp the stem. In changing the long screw of the upright piano hammer extractor, with the foot on the other end, it can be used to take off bumpersper set of two, **\$2.80**
- For Grand Hammers only..... **.80**
- For Upright Hammers only..... **2.00**
- No. 131.** Clamp, used in connection with Hammer Extractor when stem breaks..... **.75**

For general factory work, our new No. 4 Tuning Hammer has no equal. See page 3.

Prices Net Wholesale, Postage Extra

Our Own Make

String Lifter



No. 132. String Lifter, 5 inches long.....\$0.45

String Spacer



No. 133. String Spacer, 7 inches long, weight $1\frac{1}{2}$ oz.....\$0.35

String Spacer and Lifter



No. 134. String Spacer and Lifter combined, 7 inches long, weight $1\frac{1}{2}$ oz\$0.75

Tuning Pin Drill



No. 136. Tuning Pin Drill, for 00 pins or $\frac{1}{4}$ inch diameter.....\$0.45

Spoon Bits



No. 137.	Spoon Bits, for	0 pins, round shank.....each,	\$0.40
No. 138.	Spoon Bits, for	00 pins, round shank.....each,	.40
No. 139.	Spoon Bits, for	000 pins, round shank.....each,	.40
No. 141.	Spoon Bits, for	0 pins, square shank.....each,	.45
No. 142.	Spoon Bits, for	00 pins, square shank.....each,	.45
No. 143.	Spoon Bits, for	000 pins, square shank.....each,	.45

Key Lead Bits

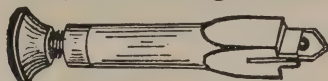


No. 145.	Key Lead Bits, $\frac{3}{8}$ inch diameter.....each,	\$0.60
No. 146.	Key Lead Bits, $\frac{1}{2}$ inch diameter.....each,	.60
No. 147.	Key Lead Bits, $\frac{1}{2}$ inch diameter.....each,	.60

Prices Net Wholesale, Postage Extra

Our Own Make

Key Rebushing Knife



No. 148. Key Rebushing Knife, 3 inches long, weight $\frac{1}{2}$ oz.....\$1.00

Key Rebushing Wedge

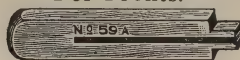
For Center.



No. 149.	Key Rebushing Wedges.	Each	Per Doz.
		\$0.06	\$0.55

Key Rebushing Wedge

For Fronts.



No. 150.	Key Rebushing Wedges.....	Each	Per Doz.
		\$0.08	\$0.65

Key Center Hole Punch



No. 152. Key Center Hole Punch, used for plugging.....each, \$0.15

Action Repinning Tools



No. 153.	Broach, for rebushing actions, cornered.....	each,	\$0.15
No. 154.	Rat Tail File.....	each,	.15
No. 155.	Broach, round	each,	.15

Broach Handle



No. 157. Broach handle, hardwood, 4 inches long.....each, \$0.05

Prices Net Wholesale, Postage Extra

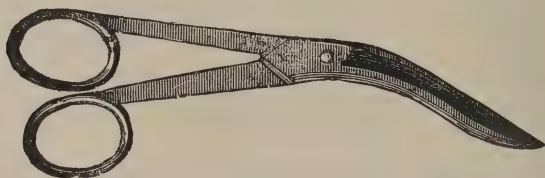
Tweezers



To be used in narrow spaces where fingers cannot be used, also for placing or removing punchings, bridle straps, center pins, etc.

No. 158.	4 inch, weight $\frac{1}{2}$ oz.....	each, \$0.45
No. 159.	5 inch, weight $\frac{1}{2}$ oz.....	each, .55
No. 160.	6 inch, weight 1 oz.....	each, .65
No. 161.	7 inch, weight 1 oz.....	each, .75
No. 162.	8 inch, weight 1 oz.....	each, 1.00

Felt Scissors

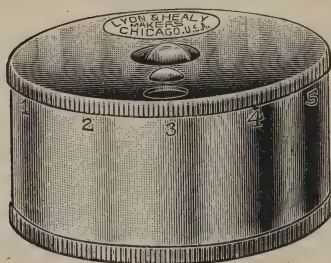


Best quality steel, nickel plated.

No. 164.	Felt Scissors, $5\frac{1}{2}$ inches long, weight 1 oz.....	each, \$0.75
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Center Pin Box

Our Own Make



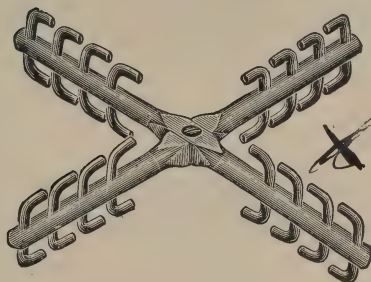
No. 165.	Center Pin Box. Made of aluminum. Has ten compartments, weight 1 oz.....	\$0.75
No. 166.	Center Pin Box, filled with an assortment of center pins, sizes 19 to 26, weight 5 oz.....	1.00

Prices Net Wholesale, Postage Extra

Wire Carriers

Our Own Make

Should be in
every Grip.



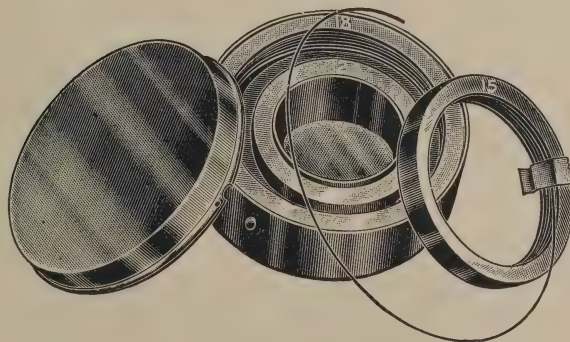
Holds 350 Feet
of Wire.

No. 168. Music Wire Reel, aluminum. Will carry eight sizes
of wire, weight 1 oz.....each, \$0.75

Tin Wire Clamps

No. 169. Tin Clamps for holding $\frac{1}{4}$ lb. coil wire.....per doz., \$0.15

A
Useful
Outfit.



Saves
Space
in
Grip.

No. 171. Wire Carrier, nickeled case, outside dimensions $4\frac{1}{2}$ inches,
with 9 compartments, weight 8 oz.....\$1.95

No. 172. Wire Carrier, nickeled case, same as No. 83, containing 1
pound of assorted wire. Best quality, sizes 12 to 20..... 3.65

Prices Net Wholesale, Postage Extra

Our Own Make Tuning Pin Punch



No. 173. Punch, $5\frac{3}{4}$ inches long, weight 4 oz. For driving out broken tuning pins.....each, \$0.55

Tuning Pin Punch



No. 174. Tuning Pin Punch, $3\frac{1}{2}$ inches long, weight 5 oz. For driving in tuning pins.....each, \$0.50

Coil Setter



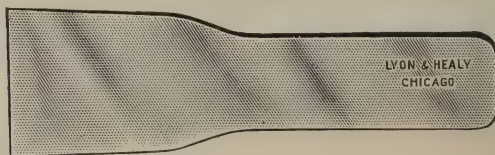
No. 175. Coil Setter, $3\frac{3}{4}$ inches long, weight 4 oz.....each, \$0.45

Center Pin Punch



No. 176. Center Pin Punch, $3\frac{1}{2}$ inches long, weight $\frac{1}{2}$ oz. For removing center pins.....each, \$0.25

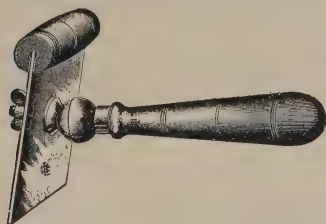
Shaver



No. 177. Shaver or Scraper. Can be used for scraping ivories, wood, etc.each, \$0.50

Prices Net Wholesale, Postage Extra

Universal Scraper

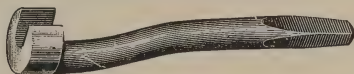


No. 178. Universal Scrapereach, \$1.25

Has all edges ground perfectly square, which by using both sides give it eight sharp cutting edges, any one of which can almost instantly be brought into use by means of the ball joint connecting handle. By a slight turn of same the ball joint is frictionally locked or released, or placed at any angle desired to get into corners and to tip the scraper blade so as to give the most effective cut. The head piece, which may be instantly slipped off and on either end or side of scraper, together with the finely shaped handle, enables one to use it with a strong firm grip, bearing on either heavily or light to effect the best results.

Action Bolt Wrench

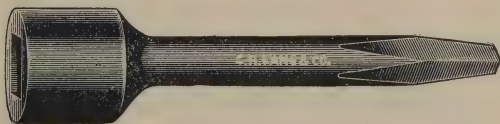
Our Own Make



No. 180. Action Bolt Wrench, 5½ inches long, weight 4 oz...each, \$0.90



No. 181. Action Bolt Wrench, hexagon, 4½ inches long, weight 6 oz.each, \$1.00
Send screw when ordering.



No. 182. Action Bolt Wrench, square, 4½ inches long, weight 6 oz.each, \$1.00
Send screw when ordering.

Prices Net Wholesale, Postage Extra

Alcohol Lamps



No. 184. Made of brass, detachable spout, entire length of lamp $4\frac{1}{2}$ inches, weight 1 oz.....each, \$0.45



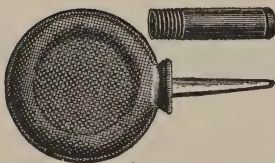
No. 185. Made of brass, stationary spout, entire length 10 inches, weight 2 oz.each, \$0.75

Burning in Knife



No. 186. Burning in Knife, used for burning in shellac in cracked or scratched cases, etc.....each, \$0.25

Glue Holder



No. 188. Glue Holder.....each, \$0.10

Perfect Pocket Oiler



No. 189. Oiler. Regulates the supply of oil which throws only a few drops at a time, prevents waste of oil, weight 1 oz.....each, \$0.20

Prices Net Wholesale, Postage Extra

Shimming, Scraper and Burning Chisel



No. 187. Best tool steel, the shim or sharp end being tempered.

8¾ inches long, 7⁄8 inch wide, weight 8 oz.....\$1.00

For sound board work it opens up a perfect V joint, trims the shim after it is glued and with the scraper end scrapes it for a smooth job. The "offset" in the chisel end enables you to drive it up under the plate when working on the front of the board, and opens the joint so that the shim can be extended far enough under the plate. In opening up a joint for a shim, you hold the chisel erect and drive it back and forth. In proportion as you bear it downwards you increase the width and depth of the V.

In burning in shellac filler this tool will be found a great help, as it holds the heat well and is the right shape to level the filling. With the sharp end of tool you rough trim and with blunt end of tool sharpened as a scraper, same can be trimmed to a smooth surface, while shellac is still warm, after it has been burned in.

**All our Tools are carefully made out of best Tool Steel.
A new useful Tool for case repairing is listed on this page.**

Grand Regulating Tools



No. 191

No. 191. Grand Action Screw Driver.....\$0.35

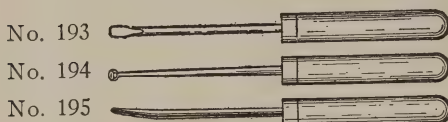
Grand Action Regulating Screw Driver

No. 192. Grand Action Regulating Screw Driver.....\$0.60

These tools can be easily removed by a slight turn in the lock nut, which holds them in place.

Grand Action Regulating Tools

Our Own Make



No. 193. Grand Action Screw Driver, weight $\frac{1}{2}$ oz.....each, \$0.25
 No. 194. Grand Action Regulating Screw Driver, weight $\frac{1}{2}$ oz.
 Each30
 No. 195. Grand Damper Easier, weight $\frac{1}{2}$ oz.....each, .25

Grand Hammer Butt Spacer

Our Own Make



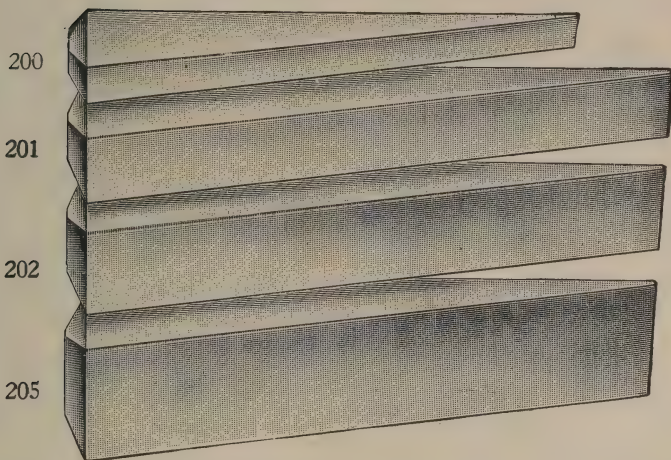
No. 196. Grand Hammer Butt Spacer, $6\frac{1}{2}$ inches long, weight 2 oz.
 Each\$0.90

Prices Net Wholesale, Postage Extra

Piano Repair Tools

Mutes or Wedges for Tuning

Made of best quality rubber.



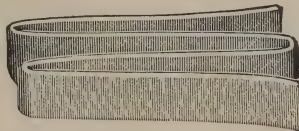
- No. 200. Mutes, $\frac{1}{4}$ inch wide by $2\frac{1}{2}$ inches long.....per doz., \$0.30
 No. 201. Mutes, $\frac{1}{2}$ inch wide by $3\frac{1}{2}$ inches long.....per doz., .72
 No. 202. Mutes, $\frac{5}{8}$ inch wide by $2\frac{3}{4}$ inches long.....per doz., .84
 No. 205. Mutes, $\frac{7}{8}$ inch wide by $2\frac{3}{4}$ inches long.....per doz., 1.20



- No. 203. Mutes, $\frac{7}{8}$ inch wide by $2\frac{3}{4}$ inches long, with wire handle.
 Per doz.\$0.90



- No. 204. Wood handle with buckskin.....each, \$0.20
Mutes for Setting Temperament



- No. 208. Rubber Strip, 27 inches long by 1 inch wide.....each, \$0.30
 No. 209. Felt Strip, 27 inches long by 1 inch wide.....each, .15

Prices Net Wholesale, Postage Extra

Piano Repair Tools

Felt Knives

Blades are made from selected high quality tool steel, evenly hardened and tempered.



No. 212. 2 $\frac{3}{4}$ inch blade, round burnt riveted handle.....\$0.15



No. 213. 2 inch blade, oval rubberoid riveted handle.....\$0.25



No. 214. 4 $\frac{3}{4}$ inch blade, rosewood riveted handle.....\$0.55

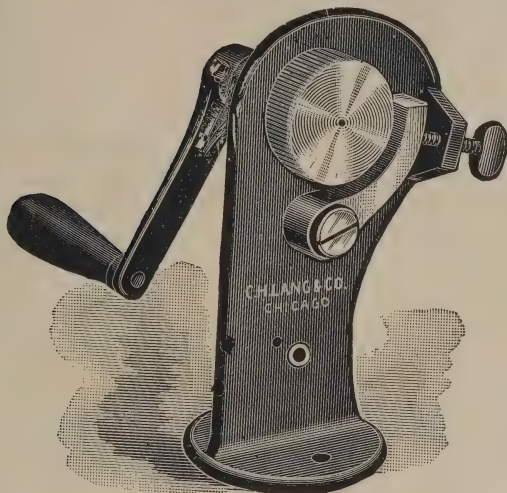


No. 215. 5 $\frac{3}{4}$ inch blade, rosewood riveted handle.....\$0.65

Prices Net Wholesale, Postage Extra

Hammer Shank Roller

Our Own Make



No. 217. Hammer Shank Roller.....\$5.00

This Roller is very practical, which every factory and repairman should have. Saves considerable time in knurling or pressing ends of hammer shanks when fitting same into hammer heads and hammer butts.

Sand Paper File

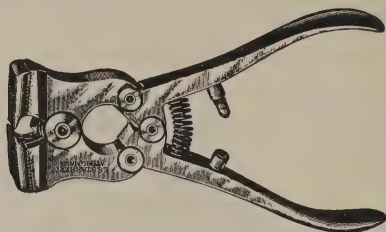


No. 218. Sand Paper File, $6\frac{3}{4}$ inches long, weight $\frac{3}{4}$ oz.....\$0.15

When sand paper is worn down, new can be applied into slot of file.

Prices Net Wholesale, Postage Extra

Music Wire Cutting Nippers



No. 225. Starrett's Music Wire Cutting Nippers, 5 inch.....\$2.50

No. 225. Starrett's Music Wire Cutting Nippers, 7 inch..... 3.50

Jaws are detachable, easily removed, ground and adjusted when worn. The head and handle are drop forged steel, finely finished. All the parts are case hardened, except the jaws. Are made of high grade steel, tempered.

Jaws



No. 226. Extra Jawsper pair, \$0.50

No. 227. Extra Screws for Jaws.....each, .05

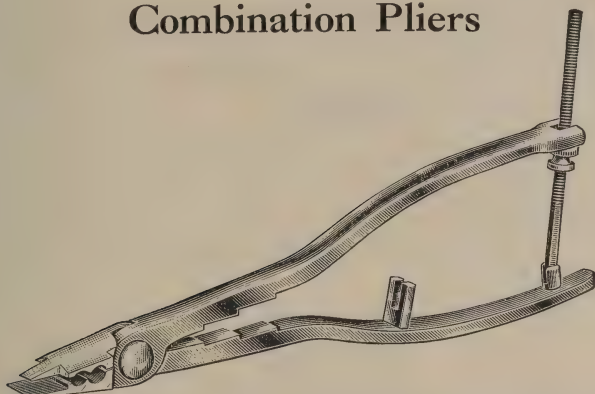
Submit sample if other parts for above nipper are desired.



No. 237. Bernard's Music Wire Cutting Nippers, nickel plated, 5¼ inches long. Handles are light in weight but very durable. The leverage reduces the pressure so that the largest wire can be cut with ease.....per pair, \$1.40

Prices Net Wholesale, Postage Extra

Combination Pliers



An Indispensable Tool for Professional Tuners—Endorsed
by All Experts

Combination of { For leaning or twisted shanks.
Key Pin Regulator.
Key Plier.
Clamp.
Vise.

No. 228. Made of best quality steel, weight 12 oz.....\$7.50

Without any heating or burning, this tool instantly and permanently corrects leaning and twisted hammer shanks, reducing the time required for the work from hours to minutes and placing the hammers in perfect and permanent spacing. With equal facility it raises or lowers the hammer heads to produce evenness. It also has a key spacer and key pin regulator, which enables to space the keys and regulate the key pins without removing the key strip or raising more than one key at a time. Vise and clamp suitable for holding and gluing small pieces and parts of an action from $\frac{1}{8}$ to $\frac{3}{4}$ of an inch and larger ones up to 3 inches. It will hold securely metal pieces for the making or reshaping of small tools so that they may be filed, hammered, twisted or bent at will. It meets all emergencies requiring a clamp or vise in piano action work. Key pliers so shaped as to adapt itself to the most acute sweep in the keys without splitting the "cap" or bruising the key. Its jaws parallel both at $\frac{1}{8}$ and $\frac{3}{8}$ of an inch, hence it works equally well on the wide and narrow parts of the key. Two grooves, one opposite the other, as close as possible to the rear of the jaw. One very slightly concave, its opposite more acutely convex. Slight pressure with the pliers grasping the upper part of the exposed part of the shank effects a correspondingly slight movement of the hammer, more pressure at the lower part a greater movement. Utilizing all the space, sets the hammer over against its neighbor without weakening the shank or making any abrasions, its natural flexibility is overcome and the change to a correct position of the hammer is fixed and permanent.

Prices Net Wholesale, Postage Extra

Diagonal Cutting Nippers



- No. 230. Diagonal Cutting Nippers, 5½ inches long. Will cut center pins flush.....pair, \$0.75

End Cutting Nippers



- No. 231. End Cutting Nipper, 5 inches long.....pair, \$0.55
 No. 231. End Cutting Nippers, 6 inches long.....pair, .65

Flat Nose Pliers—"Lodi"



- No. 232. Flat Nose Pliers, with side cutter, 5 inches long..pair, \$0.10

Flat Nose Pliers



- No. 239. Stub's Flat Nose Pliers, 5 inches long.....pair, \$0.40
 6 inches long.....pair, .50

Round Nose Pliers

- No. 241. Round Nose Pliers, 5 inches long, weight 3 oz.....pair, \$0.45

Swanbill Pliers

- No. 242. Swanbill Pliers, 5½ inches long.....pair, \$0.45

Cutting Nippers

- No. 240. Combination Nippers and Pliers, 5 inches long. Can be used for cutting music wire.....pair, \$0.75

Prices Net Wholesale, Postage Extra

Parallel Pliers

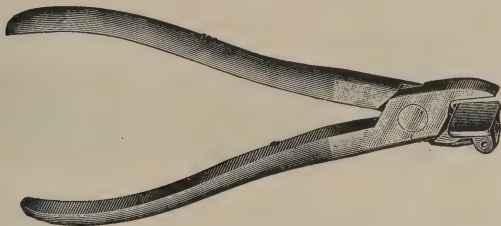
- No. 233. Parallel Action Pliers, $8\frac{1}{2}$ inches long, box joint, weight 10 oz.pair, \$1.25

Hammer Shank Tongs

- No. 235. Hammer Shank Tongs, 10 inches long, best quality steel, nickel plated, weight 8 oz. Must be heated to straighten twisted or bent hammer shanks.....pair, \$1.30
- No. 236. Hammer Shank Tongs, 10 inches long, with clamp complete. Best quality steel, nickel plated, weight 10 oz.....pair, 2.75

Key Pliers

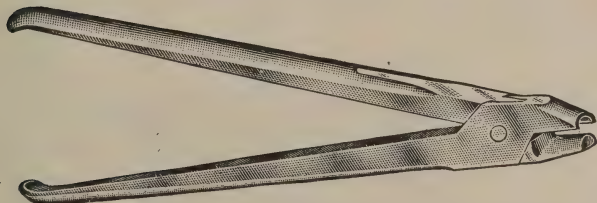
Our Own Make ,



- No. 245. Key Pliers, with swivel jaws, length $6\frac{1}{2}$ inches, weight 7 oz. Has a swivel jaw that swivels both ways. It is adapted to ease keys, especially on keys near the bracket.....pair, \$1.50

Regulating Pliers

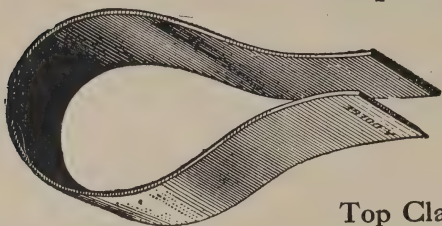
Our Own Make



- No. 250. Regulating Pliers, short nose, 9 inches long, weight 12 oz. For bending back checks, etc.....Pair, \$2.50

Prices Net Wholesale, Postage Extra

Piano Repair Material



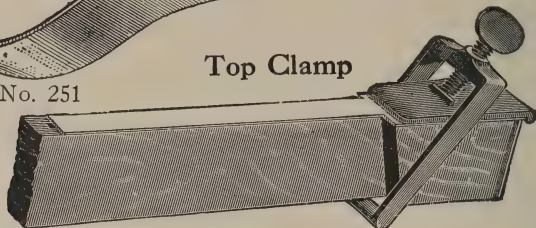
No. 251

Ivory Clamps

Steel Springs

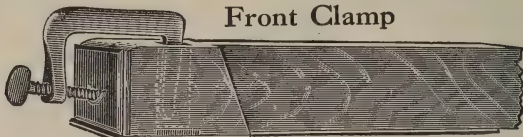
No. 251. Blued steel, length $2\frac{5}{8}$ inches, for gluing ivory or celluloidper doz., \$0.80

Top Clamp



No. 252. Ivory Clamp, for gluing on tops.....per doz., \$2.50

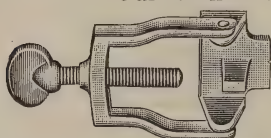
Front Clamp



No. 253. Ivory Clamp, for gluing on fronts.....per doz., \$2.00

Top Front Clamps Combined

Our Own Make



No. 254. Combination Ivory Clamp, for either gluing on tops, fronts or tails.....

Each	Per Doz.
\$0.40	\$4.20

Rubbing and Polishing Pads



For polishing ivories, piano cases, etc.

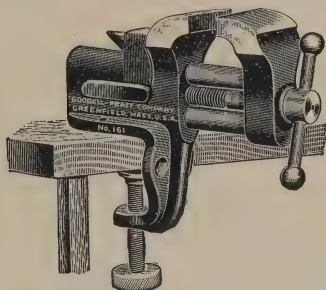
No. 386. Wood block with coarse felt, $4 \times 2\frac{1}{4} \times 1$ inches.....\$0.15

No. 387. Wood block with fine felt, $4 \times 2\frac{1}{4} \times 1$ inches..... .20

Prices Net Wholesale, Postage Extra

Bench Vises

Operated by an Accurately Cut Steel Feed Screw



No. 290. Jaw 1 inch wide, jaws open $1\frac{1}{2}$ inches, net weight $1\frac{3}{8}$ lbs. \$1.00

No. 291. Jaw 2 inches wide, jaws open 2 inches, net weight $3\frac{3}{8}$ lbs. 2.00

All parts are carefully fitted. Jaws easily operate. All steel parts are polished and all iron parts are japanned.

Block Planes

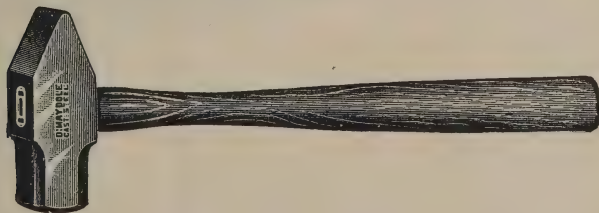


No. 292. Iron japanned, $3\frac{1}{2}$ inches in length, 1 inch cutter.....\$0.25

No. 293. Same as No. 292, nickel plated..... .35

Hammer

For Factory Use—Driving in Tuning Pins



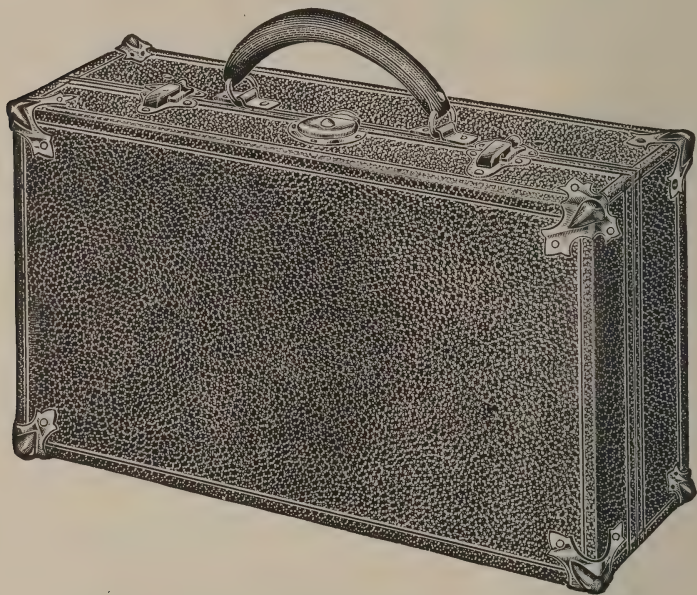
No. 294. Hammer, polished, selected hickory handle, 3 lbs.....\$1.65

Hammers are forged from solid crucible steel. Any found defective in proper usage may be returned.

Prices Net Wholesale, Postage Extra

Beginners' Tuners' Satchel

Strongly made, wood frame, iron rim covered with heavy imitation seal grain leather, lined with red flannel.

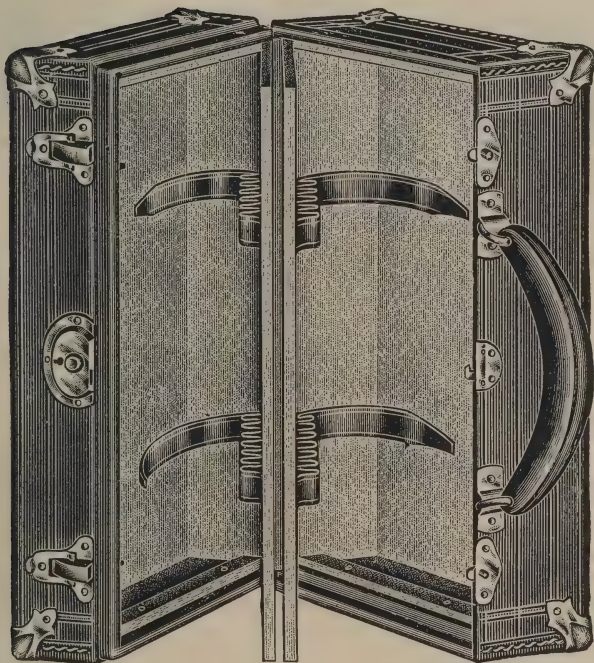


No. 259. Tuners' Satchel.....\$3.00

Two compartments equipped with tool holding straps, full nickel trimmed, lock and key. Measurements, 14 inches long, 4½ inches deep and 8½ inches high, weight 32 oz.

Prices Net Wholesale, Postage Extra

Tuners' Satchels



No. 260. Tuners' Case.....\$6.50

Strong hardwood case, imitation seal grain leather covered, equipped with nickel plated trimmings, lock and key. Has two compartments, the covers of same being provided with leather loops to hold tools. Inside measurements are $4\frac{1}{2}$ inches deep, 8 inches wide and $12\frac{1}{2}$ inches long.

No. 261. Satchel.....\$7.50

Same as No. 260, covered with best quality black or tan saddle leather, hand sewed edges.

Prices Net Wholesale, Postage Extra

Rolls



- No. 264.** Tuners' Roll. Made of leather, imitation chamois skin lined, has two leather straps looped to hold the tools in place. Size 26½ inches long and 13 inches wide.....\$3.95
- No. 265.** Tuners' Roll. Same as No. 264, with a leather handle and two outside carrying straps..... 4.45

Time is worth money. Be prepared for any job by having one of our Special Complete Assortments of materials. See pages 65 and 67.

Prices Net Wholesale, Postage Extra

Beginners' Inexpensive Kit

This Kit is a very carefully selected assortment of the most necessary tools, all of which will prove very useful at all times.

This Kit consists of

No. 8.	Tuning Hammer.	
No. 115.	Tuning Fork, Int. Pitch.	
No. 41.	Screw Driver.	
No. 66.	Regulating Screw Driver.	
No. 117.	One Pair of Nippers.	
No. 58.	Key Spacer.	
No. 201.	Two Mutes.	
No. 203.	One Mute.	
No. 160.	Six Inch Tweezer.	
No. 102.	Felt Picker.	
No. 130.	Short Extractor.	
No. 274.	Above tools with Roll No. 265.....	\$11.30
No. 275.	Above tools with Case No. 260.....	13.25

No repairman's outfit is complete without an assortment of our new Star Shellac. See page 60.

Prices Net Wholesale, Postage Extra

Kit for Professional Tuners

These Tuners' Outfits have been compiled by one of our expert tuners. Tuners will find it to their advantage to order a complete outfit.

The Tools in These Kits are of the Best Quality

- No. 4. Improved Tuning Hammer.
- No. 117. Tuning Fork, C Int. Pitch.
- No. 201. Two Mutes.
- No. 203. Two Mutes.
- No. 29. Set of Screw Drivers with combination handle.
- No. 59. Key Spacer.
- No. 61. Back Check Regulator.
- No. 67. Regulating Screw Driver.
- No. 69. Damper Regulator.
- No. 82. Capstan Screw Regulator.
- No. 77. Hammer Shank Drill.
- No. 81. Rocker Screw Driver.
- No. 92. Spring Regulator.
- No. 85. Spoon Regulator.
- No. 153. Rat Tail File.
- No. 154. Cornered Broach.
- No. 155. Round Broach.
- No. 157. Three Handles to fit broaches.
- No. 184. Alcohol Lamp.
- No. 254. Ivory Clamp.
- No. 160. Tweezer, 6 inch.
- No. 241. Round Nose Plier.
- No. 230. Cutting Nippers.
- No. 245. Key Pliers.

No. 276.	Above Tools with Leather Roll No. 264.....	\$20.90
No. 277.	Above Tools with Leather Roll No. 265.....	21.40
No. 278.	Above Tools with Case No. 261.....	23.35
No. 279.	Above Tools with Case No. 260.....	24.30

Prices Net Wholesale, Postage Extra

Highly Recommended Kit for Advanced Professional Tuners

Tools in These Kits are of the Best Quality

No. 1.	New De Luxe Tuning Hammer.	<i>small plane 292</i>
No. 117.	Tuning Fork, C Int. Pitch.	<i>mail set</i>
No. 201.	Two Mutes.	
No. 203.	Two Mutes.	<i>213 felt mute</i>
No. 59.	Key Spacer.	
No. 67.	Regulating Screw Driver.	<i>164pr Ele. scissors</i>
No. 72.	Back Check Regulator.	
No. 77.	Hammer Shank Drill.	<i>177 case scraper</i>
No. 92.	Spring Regulator.	<i>189 oil can</i>
No. 94.	Key Reamer.	
No. 125.	Bridle Strap Insertter.	
No. 153.	Rat Tail File.	
No. 154.	Cornered Broach.	
No. 155.	Round Broach.	
No. 157.	Three Handles to fit broaches.	
No. 184.	Alcohol Lamp.	
No. 343.	Wire Gauge.	
No. 160.	Tweezer, 6 inch.	
No. 134.	String Spacer and Lifter.	
No. 176.	Center Pin Punch.	
No. 230.	Cutting Nippers.	
No. 110.	Pin Extractor.	
No. 166.	Center Pin Box filled with pins.	
No. 103.	Felt Picker.	
No. 209.	Felt Mute.	
No. 29.	Set of Screw Drivers with combination handle.	
No. 61.	Damper Regulator.	
No. 69.	Damper Regulator.	
No. 82.	Capstan Screw Regulator.	
No. 81.	Rocker Screw Driver.	
No. 113.	Hammer Iron.	
No. 85.	Spoon Regulator.	
No. 172.	Wire Carrier, filled.	
No. 254.	Ivory Clamp.	
No. 130.	Set of Extractors.	
No. 47.	Butt Screw Driver.	
No. 241.	Round Nose Plier.	
No. 250.	Regulating Plier.	
No. 245.	Key Plier.	
No. 280.	Above Tools with Roll No. 264.....	\$43.00
No. 281.	Above Tools with Roll No. 265.....	43.50
No. 282.	Above Tools with Case No. 261.....	45.40
No. 283.	Above Tools with Case No. 260.....	46.40

Prices Net Wholesale, Postage Extra

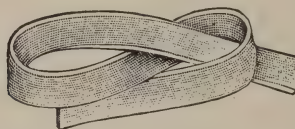
Piano Repair Material

ACTION FELTS

No. 301. White Hammer (Top) Felt.....per strip, \$4.00

Best quality felt, only by the set or strip and when cut the proper width for hammers, will weigh 16 ozs. Bass end is from $\frac{1}{2}$ to $1\frac{1}{2}$ inches thick. Treble end is from $\frac{1}{16}$ to $\frac{1}{8}$ inch thick.

Muffler or Harp Felt



No. 302. White Tapered. Thickness, $\frac{1}{16}$ inch at bass and $\frac{3}{16}$ at treble; strips 2 inches wide, 54 inches long.....each, \$0.20
.....per lb. 4.00

Damper Felts

No. 303. White, $\frac{1}{4}$ inch thick; 1 oz. measures $4 \times 7\frac{1}{4}$ inches.....per lb., \$4.00
.....per oz., .28
No. 304. $\frac{3}{8}$ inch thick; 1 oz. measures $4 \times 6\frac{3}{4}$ inches.....per lb., 4.00
.....per oz., .28
No. 305. $\frac{1}{2}$ inch thick; 1 oz. measures $7\frac{1}{2} \times 3\frac{5}{8}$ inches....per oz., 4.00
Damper Felt can be furnished cut in any size desired.

Wedge Felts

No. 306. White, $\frac{1}{4}$ inch thick; 1 oz. measures $4\frac{5}{8} \times 3\frac{1}{2}$ inches.....
.....per lb., \$4.00
.....per oz., .28
No. 307. $\frac{3}{8}$ inch thick; 1 oz. measures $4\frac{1}{4} \times 3\frac{5}{8}$ inches.....per lb., 4.00
.....per oz., .28
No. 308. $\frac{1}{2}$ inch thick; 1 oz. measures $2 \times 1\frac{1}{4}$ inches.....per lb., 4.00
.....per oz., .28
Wedge Felt can be furnished cut any size desired.

Prices Net Wholesale, Postage Extra

ACTION FELTS

Hammer Butt Felt

- No. 309. Red, $\frac{1}{4}$ inch thick. For Hammer Butts, Jacks or Flys, Back-stops and Pedal Bushings. About $2\frac{1}{2}$ lbs. to a yard. One oz. measures 4x8 inches.....per oz., \$0.20
per lb., 2.75

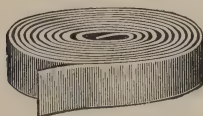
Back Check Felt

- No. 310. Green, $\frac{1}{4}$ inch thick. For Back Checks; about 6 lbs. to a yard. One oz. measures 3x3 inches.....per oz., \$0.20
per lb., 2.75

Spring Rail Felt

- No. 311. Red, $\frac{1}{8}$ inch thick. For Spring Rail, Cushions, Hammer Buttsper oz., \$0.20
per lb., 2.75

Nameboard Felt



- No. 312. Red, $\frac{1}{32}$ inch thick. For lining Nameboard; about 14 ozs. to yard. A strip $1\frac{1}{2}$ inches wide and 72 inches long, weighs an oz.....per oz., \$0.20
per lb., 2.75
- No. 313. Red, $\frac{1}{16}$ inch thick. For lining Nameboard, Damper Levers, Hammer Butts. About 1 lb. to a yard. Can be furnished in strip $\frac{3}{4}$ inch wide and 54 inches long.....per strip, \$0.10

Prices Net Wholesale, Postage Extra

Piano Repair Material

ACTION CLOTHS

Bushing Cloth

No. 314. Red Bushing Cloth.....	per yard, \$5.50
1 inch strips, 54 inches long.....	per strip, .20

Abstract Cloth

No. 316. Green Abstract Cloth.....	per yard, \$4.00
1 inch strips, 54 inches long.....	per strip, .15

Punching Cloth

No. 317. White Punching Cloth.....	per yard, \$4.00
1 inch strips, 54 inches long.....	per strip, .15

Rubbing Felts

No. 318. Gray, $\frac{1}{4}$ inch thick, for rubbing or polishing. 1 oz. measures $3 \times 3\frac{1}{2}$ inches.....	per oz., \$0.15
.....	per lb., 2.00
No. 319. Gray, $\frac{5}{8}$ inch thick, for rubbing and polishing. 1 oz. measures $1 \times 1\frac{1}{4}$ inches.....	per oz., \$0.15
.....	per lb., 2.15
No. 320. White, $\frac{3}{4}$ inch thick, for polishing. 1 oz. measures $1 \times 1\frac{1}{2}$ inches.....	per oz., \$0.15
.....	per lb., 2.15

Our trademark Lion Head guarantees satisfaction.

Prices Net Wholesale, Postage Extra

Piano Repair Material

Light Weight Key Rail Cloth

- No. 321.** Light weight, Green Key Rail Cloth, 54 in. wide. per yard, \$3.45
Cut in strips 2 inches wide and 54 inches long.....per strip, .30

Heavy Weight Key Rail Cloth

- No. 322.** Heavy weight, Green Key Rail Cloth, 54 in. wide. per yard, \$5.30
Cut in strips 2 inches wide and 54 inches long.....per strip, .45

Hammer Rail Cloth

- No. 323.** Medium weight, Green Hammer Rail Cloth, 54 inches wideper yard, \$4.00
Cut in strips 2 inches wide and 54 inches long.....per strip, .35
No. 324. Medium weight, Olive Green Hammer Rail Cloth, 54 inches wideper yard, 5.60
Cut in strips 2 inches wide and 54 inches long.....per strip, .45

Worsted Braid or Binding



- No. 327.** Red Tape, $\frac{5}{8}$ inch wide, 18 yards long.....per roll, \$0.35
No. 328. Red Tape, $\frac{7}{8}$ inch wide, 18 yards long.....per roll, .45

Punchings

Sold in Gross Lots Only

Regulating Button Punchings



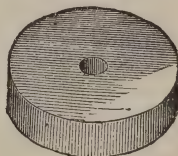
No. 330. Punchings, white felt.....per gro., \$0.10

Center Rail Punchings



No. 331. Punchings, white clothper gro., \$0.12
 No. 332. Punchings, green feltper gro., .10
 No. 333. Punchings, thin paperper gro., .02
 No. 333. Punchings, medium paperper gro., .02
 No. 333. Punchings, thick paperper gro., .02
 No. 333. Punchings, tissue paperper gro., .02
 No. 334. Punchings, thin cardboardper gro., .05
 No. 334. Punchings, thick cardboardper gro., .05

Front Rail Punchings



No. 335. Punchings, medium clothper gro., \$0.25
 No. 336. Punchings, white medium cloth, used for player pianos
per gro., .45
 No. 337. Punchings, large clothper gro., .40
 No. 338. Punchings, thin paperper gro., .03
 No. 338. Punchings, medium paperper gro., .03
 No. 338. Punchings, thick paperper gro., .03
 No. 338. Punchings, tissue paperper gro., .03
 No. 339. Punchings, thin cardboardper gro., .05
 No. 339. Punchings, thick cardboardper gro., .05

Key Punchings

No. 340. Punchings, green felt.....per gro., \$0.30

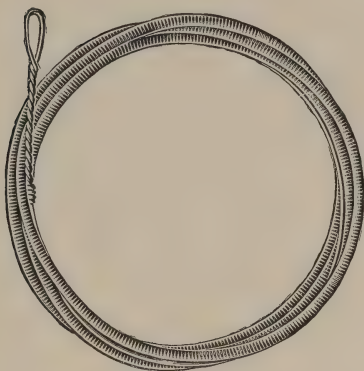
Punching Outfit

No. 342. Punching Outfit. Consists of an assortment of paper and felt front and balance rail punchings, 18 gross in assortmentper set, \$1.65

Prices Net Wholesale, Postage Extra

Piano Repair Material

Covered Piano Strings



To save correspondence and delay, the following information is required on all orders for covered piano strings.

SINGLE STRINGS.

It is well to send the entire old string. If this cannot be done, give us the following information:

- 1—Distance from hitch pin to starting point of covered part.
- 2—Length of the wound or covered part.
- 3—Gauge of center wire.
- 4—Distance from tuning pin to wound part.
- 5—Gauge of the covered wire.

Single wound steel string.....	each, \$0.25
Double wound steel string.....	each, .30
Single wound copper string.....	each, .40
Double wound copper string.....	each, .45

When ordering strings by the set, send all old strings, or a paper pattern showing impressions of all covered strings, accompanied by the first and last string from each section.

Single or double wound piano strings, when ordered in sets of 36 or more.

Prices Net Wholesale, Postage Extra

Piano Wire

Damascus Wire

DAMASCUS WIRE is made out of the finest imported steel, guaranteed to be perfect in gauge.



Each package in $\frac{1}{4}$ lb. coils.

No. 5 and 6.....	per lb.,	\$2.00
No. 7 and 8.....	per lb.,	1.75
No. 9 and 10.....	per lb.,	1.60
No. 11 and 12.....	per lb.,	1.50
No. 13 and 14.....	per lb.,	1.40
No. 15.....	per lb.,	1.35
No. 16 to 28.....	per lb.,	1.20

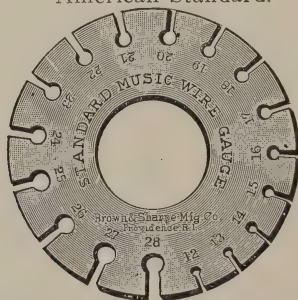
Plain Steel Strings

Damascus.

WIRE NECESSARY to string a piano: 1 lb., No. 19; 1 lb. No. 18;
 $\frac{3}{4}$ lb., No. 17; $\frac{1}{2}$ lb., No. 16; $\frac{1}{2}$ lb., No. 15; $\frac{1}{4}$ lb., No. 14; $\frac{1}{4}$ lb., No. 13.
total, \$5.00

Wire Gauges

American Standard.



No. 343.	Brown & Sharpe's, round or Standard, from 12 to 28.	each,	\$1.50
No. 344.	Vulcan, round, from 12 to 28.....	each,	1.20
No. 345.	Vulcan, round, from 5 to 28.....	each,	1.50

Prices Net Wholesale, Postage Extra

Tuning Pins

Best Quality Steel.

		Per Set	Per Doz.
No.	002	\$3.00	\$0.20
No.	002 $\frac{1}{4}$	3.32	.25
No.	002 $\frac{1}{2}$	3.50	.25
No.	0002 $\frac{1}{4}$	3.56	.25
No.	0002 $\frac{1}{2}$	3.75	.30
No.	0002 $\frac{3}{4}$	3.81	.30
No.	0003	4.13	.30
No.	00002 $\frac{1}{2}$	4.00	.30

To Assure Correct Size, Submit Sample.

Desk Pins



No. 346. Desk Pins, brass, whitened.....per lb., \$0.60

Center Pins



No. 347. Center Pins, brass, whitened, sizes 18 to 26.....per set, \$1.25

Per oz.10



Lion Brand Bluing

Especially prepared to restore original color to tuning pins and prevents further rusting.

No. 348. One ounce bottle.....\$0.15

No. 348. Two ounce bottle......25

Prices Net Wholesale, Postage Extra

Piano Repair Material

Bridge Pins

- No. 349. Bridge Pinsper lb., \$0.20
Copper, sizes 4 to 10.

Plate Pins

- No. 350. Plate Pinsper lb., \$0.20
Iron, whitened, sizes 4 to 10.

Key Pins



- No. 351. Key Pins, roundper lb., \$0.50
No. 352. Key Pins, ovalper lb., .50
Brass, whitened.

Key Leads



- No. 353. Key Leadsper lb., \$0.25
Sizes 1, 2, 3.

Sound Board Buttons



- No. 354. Wood, 1 inch diameter.....per gro., \$0.20

Prices Net Wholesale, Postage Extra

Piano Repair Material

Rubber Head Nails



No. 2



No. 3

Per Gro.

Per Doz.

No. 355-1.	Nails or Tacks, large	\$0.70	\$0.10
No. 355-2.	Nails or Tacks, medium .....	.47	.05
No. 355-3.	Nails or Tacks, small .....	.38	.05

Top Buttons



No. 357



No. 356



No. 358

Per Gro.

Per Doz.

No. 356.	Rubber	\$0.40	\$0.05
No. 357.	Rubber, small .....	.40	.05
No. 358.	Rubber, large .....	.40	.05

Rubber Caps



No. 451

For bottom or ball bolts on upright pianos.

No. 451.	Black rubber, $1\frac{1}{32}$ inch high, outside diameter $1\frac{1}{32}$ inch.	
Per doz.	.....	\$0.15

Rosewood Buttons

(Same size as No. 356.)

Per Gro.

Per Doz.

No. 359.	Rosewood Buttons	\$0.45	\$0.05
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Fall Board or Desk Knobs

Mahogany, Oak and Walnut.

No. 361.	$\frac{3}{4}$ inch high, $1\frac{3}{16}$ inch diameter of head, complete with rubber head and screw.....	per doz., \$0.40
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No. 360

No. 360.	Without screw and rubber button.....	per doz., \$0.30
No. 362.	Already fitted with screw.....	per doz., .35

Prices Net Wholesale, Postage Extra

Piano Repair Material

Ivory Head and Tail Pieces



Unpolished

No. 363.	Ivory Heads, Quality 1.....	per doz.,	\$2.40
No. 363.	Ivory Heads, Quality 1.....	per set,	8.65
No. 364.	Ivory Heads, Quality 2.....	per doz.,	2.00
No. 364.	Ivory Heads, Quality 2.....	per set,	8.25
No. 365.	Ivory Heads, Quality 3.....	per doz.,	1.95
No. 365.	Ivory Heads, Quality 3.....	per set,	7.50
No. 366.	Ivory Heads, Quality 4.....	per doz.,	1.80
No. 366.	Ivory Heads, Quality 4.....	per set,	6.75
No. 367.	Ivory Tails, Quality 1.....	per doz.,	2.40
No. 367.	Ivory Tails, Quality 1.....	per set,	8.65
No. 368.	Ivory Tails, Quality 2.....	per doz.,	2.00
No. 368.	Ivory Tails, Quality 2.....	per set,	8.25
No. 369.	Ivory Tails, Quality 3.....	per doz.,	1.95
No. 369.	Ivory Tails, Quality 3.....	per set,	7.50
No. 370.	Ivory Tails, Quality 4.....	per doz.,	1.80
No. 370.	Ivory Tails, Quality 4.....	per set,	6.75

Polished

No. 371.	Ivory Heads, Quality 1.....	per doz.,	\$2.60
No. 371.	Ivory Heads, Quality 1.....	per set,	9.50
No. 372.	Ivory Heads, Quality 2.....	per doz.,	2.20
No. 372.	Ivory Heads, Quality 2.....	per set,	9.10
No. 373.	Ivory Heads, Quality 3.....	per doz.,	2.15
No. 373.	Ivory Heads, Quality 3.....	per set,	8.35
No. 374.	Ivory Heads, Quality 4.....	per doz.,	2.00
No. 374.	Ivory Heads, Quality 4.....	per set,	7.60
No. 375.	Ivory Tails, Quality 1.....	per doz.,	2.60
No. 375.	Ivory Tails, Quality 1.....	per set,	9.50
No. 376.	Ivory Tails, Quality 2.....	per doz.,	2.20
No. 376.	Ivory Tails, Quality 2.....	per set,	9.10
No. 377.	Ivory Tails, Quality 3.....	per doz.,	2.15
No. 377.	Ivory Tails, Quality 3.....	per set,	8.35
No. 378.	Ivory Tails, Quality 4.....	per doz.,	2.00
No. 378.	Ivory Tails, Quality 4.....	per set,	7.60

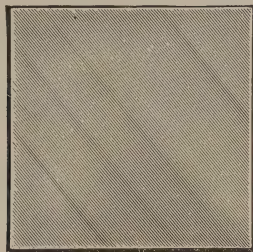
Ivory Front Pieces

No. 379.	Scroll Ivory	per ft.,	\$0.75
No. 456.	Second Hand Ivory.....	Each Per Doz.	\$0.20 \$1.80

Prices Net Wholesale, Postage Extra

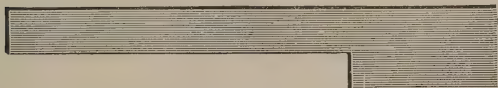
Piano Repair Material

Celluloid Head and Tail Pieces



- No. 380. Polished, not cut. One octave measures $7 \times 6\frac{3}{4}$ inches....
per octave, \$0.20
- No. 381. Grained Celluloid, imitation ivory, not cut. One octave
 measures $7 \times 6\frac{3}{4}$ inches.....per octave, .25
- No. 382. Front Pieces.....per foot, .06
- Special prices in sheets.

Heads and Tails



- No. 383. Heads and Tails, combined, cut ready for use, plain celluloid.....per set, \$1.50
- No. 384. Heads and Tails, combined, cut ready for use, grained celluloid, imitation ivory.....per set, 1.95

Ebony Sharps



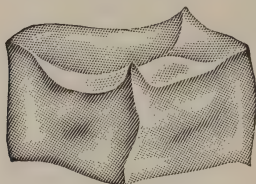
Dull finish: Length, 4 inches, width, $\frac{7}{16}$ inches, height, $\frac{1}{2}$ inch, tapered to $\frac{7}{16}$ inch.

- No. 385. 36 to a set.....per set, \$1.65
per doz., .60

Prices Net Wholesale, Postage Extra

Piano Repair Material

New Ivory Glue



Cube form, white, especially adapted for ivories. Each cube must be well cooked in about $\frac{1}{4}$ cup of hot water. One cube is enough for 1 octave of keys.

No. 388.....	per doz. cubes,	\$0.45
No. 388.....	per cube,	.05

Savloid Liquid Glue

White, for use on ivories, wood, leather, glass, metals, etc.

No. 389.	2 oz. bottle.....	\$0.20
No. 390.	$\frac{1}{2}$ pint can.....	.30
No. 391.	1 pint can.....	.60
No. 392.	1 quart can.....	1.00

Lion Brand Celluloid Glue

Best Quality.

No. 393.	1 oz. bottle.....	\$0.10
No. 393.	$\frac{1}{2}$ pint can.....	.40
No. 393.	1 pint can.....	.75



Piano Case Repair Varnishes

Extra Quick Drying.

For damaged cases, such as checked, scratched, blistered, etc. Put up in $\frac{1}{4}$ pint bottles.

No. 436.	Black.....	\$0.30
No. 437.	Brown, light.....	.30
No. 437.	Brown, dark.....	.30

Camel Hair Varnish Brush

No. 438.	Brush, $\frac{3}{4}$ inch wide, 7 inch handle.....	\$0.15
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Outfit Polish

No. 439.	Polish for Outfit 441.....	\$0.30
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Scraper

No. 256.	Scraper, extra quality.....	\$0.25
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Prices Net Wholesale, Postage Extra

Piano Repair Material

LePage's Glue

No. 394.	Per pint can.....each,	\$0.55
No. 395.	Per ½ pint can..each,	.40
No. 396.	Per gill can.....each,	.25
No. 397.	Per 2 oz. bottle.....	.10
	Per doz.	1.00
No. 398.	Per collapsible tube..	.10
	Per doz.	1.00

Dry Cabinet Glue

No. 399.	Sheet Form Imported glue.....per lb.,	\$0.60
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Improved Lion Liquid Glue



No. 400.	The Lion Liquid Glue mends anything in wood, cloth, leather, ivory, glass, marble or metals.....per doz. bottles,	\$1.00
	Per bottle .....	.10

Repair Shop Glue Pot

No. 255.	Tin, with copper glue pot, water boiler, brass lamp and burner. Entire height 8¾ inches, diameter at base 6½ inches, weight 25 oz.....each,	\$2.50
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Prices Net Wholesale, Postage Extra

Piano Repair Material

Sand Paper

In Sheets 9 x 11.

No. 401. Sand Paper for rubbing down and finishing.

No. 00.....per dozen sheets, \$0.30

No. 0.....per dozen sheets, .30

No. 1/2.....per dozen sheets, .30

No. 1.....per dozen sheets, .30

No. 2.....per dozen sheets, .30

Shellac Sticks

Star Shellac is of a high standard of quality and is being used by all first-class repairmen.



For repair work, in filling up cracks, scratches, etc., easily applied and leaves a polished finish.

No. 402. Ebony.

No. 406. Walnut.

No. 403. White.

No. 407. Light Mahogany.

No. 404. Light Oak.

No. 408. Dark Mahogany.

No. 405. Dark Oak.

No. 409. Transparent.

Per Dozen.....\$1.20

Rotten Stone

No. 410. Brick form.....per brick, \$0.25
(Air flooded, water levigated.)

Pumice Stone

No. 411. Powdered.....per lb., \$0.10

Prices Net Wholesale, Postage Extra

Piano Repair Material

Tuning Pin Bushing



- No. 412.....per set, \$1.50
.....per doz., .10

For tuning pins which have become loose. Will hold firmly by the use of the metal friction sleeves. Take out the pins, one at a time, and insert the sleeves in the tuning pin hole, drive the same pin in again and draw the string up to pitch to maintain the tension upon the instrument.

Shims



- For filling in cracks on Sound Board, etc.
No. 413. White wood, 24 inches long.....per doz., \$0.25

Graphite (Black Lead)



This is especially made for the purpose of lubricating wood surfaces of Piano actions, and will prevent friction, is perfectly dry and absolutely free from grit.



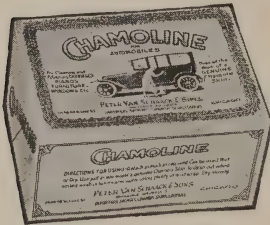
- No. 414. $\frac{1}{4}$ -lb. can \$0.30
No. 415. Small collapsible tubes, liquid form..doz., .80
.....each, .10

Prices Net Wholesale, Postage Extra

Piano Repair Material

Chamoline

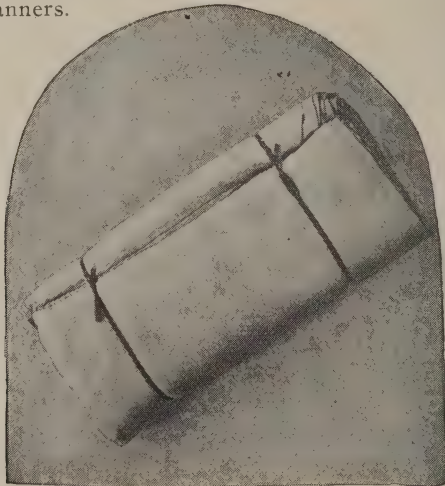
Made out of remnants of high quality chamois.



No. 416. Chamoline does all the work of a whole chamois. Is equal to two medium sized skins and costs less than half the price. Can be used either wet or dry, packed 1 dozen in a boxper doz., \$3.00

Imported Chamois Skin

Our Chamois Skins can be used either wet or dry, and are secured from the best tanners.



We have constantly on hand a large stock of Chamois Skins, and will quote special prices in dozen lots or kips (30 skins).

N. B.—These Skins will not harden after being used in water.

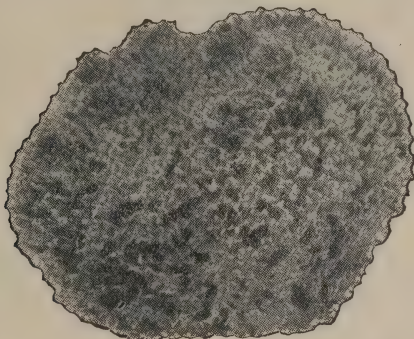
- | | | | |
|----------|--------------------|---------------------------------|--------|
| No. 417. | Size 14x18 inches. | English, good quality.....each, | \$0.50 |
| No. 418. | Size 16x21 inches. | English, good quality.....each, | .75 |
| No. 419. | Size 26x28 inches. | English, good quality.....each, | 1.50 |

Prices Net Wholesale, Postage Extra

Piano Repair Material

Sponges

Our Sponges comprise the finest and best grade Sheep Wool Sponges. Lasting quality for pianos, organs, musical instruments of all kinds, etc.



	Each	Per lb.
No. 420. Small size.....	\$0.15	\$3.50
No. 421. Medium size.....	.25	3.50
No. 422. Large size.....	.35	3.50

For factories or large consumers, special prices for bale lots.

Ivory Bleacher



No. 423. To bleach yellow ivory keys white. Full description on box.....	per box, \$0.40
--	-----------------

Prices Net Wholesale, Postage Extra

Varnishes



LION BRAND POLISHING VARNISH

Quick Drying

No. 431. Best quality, for polishing.

1 oz. bottle	\$0.10
½ pint can .....	.35
1 pint can .....	.60
1 quart can	1.05
½ gallon can	1.95

No. 432. Best quality, for rubbing.

1 oz. bottle	\$0.10
½ pint can .....	.25
1 pint can .....	.45
1 quart can .....	.80
½ gallon can	1.50

Extra Quick Drying

No. 433. French Spirit Varnish.

1 oz. bottle	\$0.10
½ pint can .....	.40
1 pint can .....	.75
1 quart can	1.45
½ gallon can	2.75

Varnish Remover

No. 434. Paint and Varnish Remover.....per quart can, \$0.75

Above Varnishes are of standard qualities and dependable. Special prices in five gallon lots.

Prices Net Wholesale, Postage Extra

Piano Case Repair Outfit

No repairman should be without this useful Outfit.



No. 441

Consisting of:

- No. 417. Chamois Skin. ✓
- No. 436. Black Varnish.
- No. 437. Brown Varnish. ✓
- No. 438. Camel Hair Brush. ✓
- No. 439. Polish. ✓
- No. 386. Felt Pad, coarse. ✓
- No. 256. Scraper, extra quality. ✓

Above complete in strong Chestnut Wood Box. Size $6\frac{1}{2} \times 6\frac{1}{4} \times 2\frac{1}{2}$, weight 42 oz.

No. 441. Outfit\$2.50

Ivory Polish Outfit for Tuners or Repairers

Consisting of:

- No. 256. Scraper, extra quality. ✓
- No. 386. Felt Pad, coarse. ✓
- No. 387. Felt Pad, fine. ✓
- No. 452. Bottle Liquid No. 1, for rubbing. ✓
- No. 453. Bottle Liquid No. 2, for polishing. ✓
- No. 454. Bottle Liquid No. 3, for cleaning. ✓
- No. 417. Chamois Skin.

Above complete in strong Chestnut Wood Box. Size $6\frac{1}{2} \times 6\frac{1}{4} \times 2\frac{1}{2}$, weight 35 oz.

No. 455. Ivory Polish Outfit.....\$2.25

Prices Net Wholesale, Postage Extra

Piano Repair Material

LION BRAND SPIRIT STAINS



FOR
RETOUCHING

QUICK
DRYING



Lion Brand Liquid Spirit Stains

Furnished in Ebony, Oak, Mahogany, Walnut.

No. 450.	1 oz. bottle.....	\$0.15
	4 oz. bottle.....	.50

Prices Net Wholesale, Postage Extra

Repair Outfit

This Repair Outfit is almost INDISPENSABLE FOR A TUNER.

Consists of

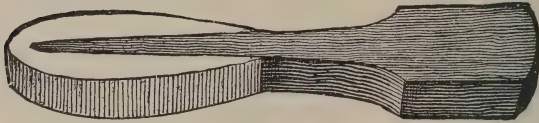
No.	No.
310 1 oz. Back Check Felt.	515 1 Gross Bridle Straps.
314 1 Strip Bushing Cloth.	518 1 Doz. Butt Plates.
313 1 oz. Name Board Felt.	519 1 Doz. Hammer Butt Springs.
321 1 Strip Key Rail Cloth.	414 1 Tube of Graphite.
323 1 Strip Hammer Rail Cloth.	523 6 Key Buttons.
330 1 Gro. Punchings.	526 6 Jack Jumpers.
331 1 Gro. Punchings.	527 1 Doz. Jack Springs.
332 1 Gro. Punchings.	530 6 Back Checks.
333 4 Gro. Punchings.	534 6 Damper Heads.
334 2 Gro. Punchings.	535 6 Damper Heads.
335 1 Gro. Punchings.	538 1 Doz. Damper Springs.
337 1 Gro. Punchings.	542 1 Doz., Screws.
338 4 Gro. Punchings.	543 1 Doz. Screws.
339 2 Gro. Punchings.	544 1 Doz. Screws.
340 1 Gro. Punchings.	545 1 Doz. Screws.
366 2 Ivory Heads.	546 1 Doz. Screws.
347 ½ lb. Center Pins, assorted.	579 6 Pedal Props.
355 3 doz. Rubber Head Nails, 1-2-3.	583 6 Trap Springs.
356 1 Doz. Rubber Buttons.	389 1 Bottle of Savloid Glue.
357 1 Doz. Rubber Buttons.	348 1 oz. Bottle Lion Brand Bluing.
359 1 Doz. Rubber Buttons.	510 6 Abstracts.
360 1 Doz. Fall Board Knobs.	126 1 Box Bridle Strap Tacks,
395 1 Can Le Pages' Glue.	533 6 Damper Blocks.
503 6 Hammer Heads.	385 4 Ebony Sharps.
504 1 Doz. Hammer Shanks.	3 Sticks of Shellac.
505 1 Doz. Hammer Shanks.	1 Doz. Tuning Pins, assorted.
506 6 Hammer Butts.	¼ lb. EACH Wire 13-14-15- 16-17-18-19.
511 6 Flanges.	

No. 500. Repair Outfit.....\$10.00

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Piano Hammers



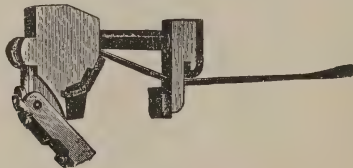
- No. 501. Hammers, standard quality.....per set, \$3.95
Bored to order.....
No. 502. Hammers, best quality.....
Bored to order.....per set, 6.00
No. 503. Single Hammers, standard quality.....each, .10
If boring is desired, either send all old hammers as samples, or the
first and last hammer of each section, giving their numbers.

Hammer Shanks



- | | Per Doz. | Per Gro. |
|-----------------------------|----------|----------|
| No. 504. Maple Shanks | \$0.05 | \$0.50 |
| No. 505. Cedar Shanks | .10 | .75 |

Hammer Butts



- | | Per Set | Per Doz. |
|---|---------|----------|
| No. 506. Hammer Butts only, without wooden flange. | \$2.75 | \$0.40 |
| No. 508. Hammer Butts, with white metal plate..... | 4.50 | .70 |
| No. 509. Hammer Butts, bushed with center pin, for
brass flanges | 3.50 | .50 |
| No. 507. Hammer Butts, with wooden flange, bushed.. | 3.50 | .50 |

Abstracts



- No. 510. Abstract
- | | per doz., |
|--|-----------|
| | \$0.30 |

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Flanges



	Per Doz.	Per Gro.
No. 511. Hammer Butt Flanges, bushed.....	\$0.15	\$1.65

Brass Flanges



No. 512. Billings Brass Flanges.....	per doz., \$0.25
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Repair Rail Flange



No. 513. Brass, white plate and screw, 1 inch long and $\frac{1}{2}$ inch wide	per doz., \$0.30
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Damper Flanges

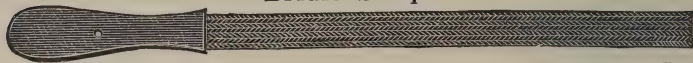


No. 514. Damper Flanges and Spring.....	per doz., \$0.20
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Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Bridle Straps



- | | | | |
|----------|---|----------|----------|
| | | Per Gro. | Per Doz. |
| No. 515. | Bridle Straps, with leather tips, 4 inch..... | \$0.30 | \$3.00 |

Bridle Tips



- | | | | |
|----------|--------------------------|----------|--------|
| No. 516. | Bridle Leather Tips..... | per 100, | \$0.20 |
|----------|--------------------------|----------|--------|

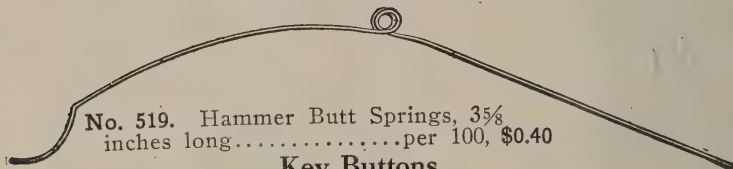
Butt Plates



No. 518

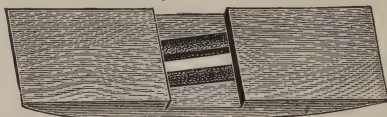
- | | | | |
|----------|-------------------------------|----------|--------|
| No. 517. | Butt Plates, white metal..... | per 100, | \$0.75 |
| No. 518. | Flange Plates, brass..... | per 100, | .75 |

Hammer Butt Springs



- | | | | |
|----------|---|----------|--------|
| No. 519. | Hammer Butt Springs, 3 5/8 inches long..... | per 100, | \$0.40 |
|----------|---|----------|--------|

Key Buttons



- | | | | |
|----------|--------------------------|---------|----------|
| | | Per Set | Per Doz. |
| No. 520. | Key Buttons, bushed..... | \$1.00 | \$0.20 |

Jack Rockers



- | | | | |
|----------|--------------------|---------|----------|
| | | Per Set | Per Doz. |
| No. 521. | Jack Rockers | \$2.25 | \$0.50 |

Tongue and Flange

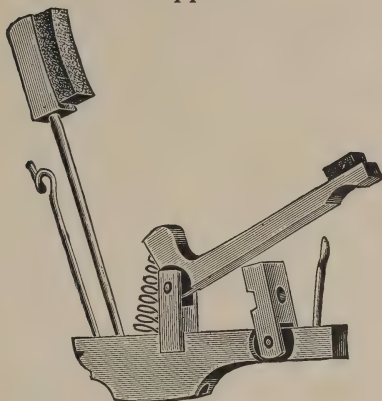


- | | | | |
|----------|--------------------------------|-----------|--------|
| No. 522. | Tongue and Flange, bushed..... | per doz., | \$0.25 |
|----------|--------------------------------|-----------|--------|

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Wippens



- No. 523. Complete Wippenper doz., \$0.75
 No. 524. Wippens or Rocker only.....per doz., .30

Jacks or Jumpers



- No. 525. Jacks or Jumpers.....per doz., \$0.25

Jack or Fly Flanges



- No. 526. Jack or Fly Flanges.....per doz., \$0.20

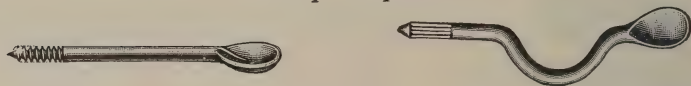
Jack Springs

- No. 527. 1 inch Jack Spring.....per 100 pair, \$0.40

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Damper Spoons



- No. 528. Straight Spoonper lb., \$0.70
 No. 529. Curved Spoonper lb., .70

Back Checks



- No. 530. Back Checks, complete.....per doz., \$0.20

Back Check Wire



- No. 531. Back Check Wire.....per lb., \$0.75

Bridle Wire



- No. 532. Bridle Wiresper lb., \$0.40

Damper Blocks



- No. 533. Damper Blocksper doz., \$0.20

Damper Heads

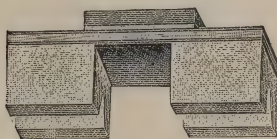


- No. 534. Damper Heads, ready for use.....per doz., \$0.25
 Per set75

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Damper Wedges



- No. 535. Damper Wedges, ready for use, for single, double and triple strings. 20 double and 10 single wedges complete the bass section per doz. \$0.30
 per set, .45

Damper Wires

- No. 536. Damper Wires.....per lb., \$0.40

Damper Levers



- No. 537. Damper Levers and Flanges, complete.....per doz., \$0.25

Damper Springs



- No. 538. Damper Lever Springs.....per 100, \$0.40

Damper Screws



- No. 539. Damper Screws.....per lb., \$0.40

Regulating Screws



- No. 540. Regulating Screws.....per lb., \$0.50

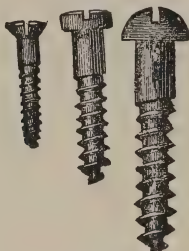
Regulating Buttons

- No. 541. Regulating Buttons.....per gross, \$0.25

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Screws



Oval Head, Fillister Head, Round Head.

			Per Gro.
No. 542.	$\frac{1}{2}$ inch,	Oval Heads, polished, for Butts, No. 4.....	\$0.40
No. 543.	$\frac{5}{8}$ inch,	Oval Heads, polished, for Butts, No. 4.....	.40
No. 544.	$\frac{3}{4}$ inch,	Oval Heads, polished, for Butts, No. 4.....	.45
No. 545.	$\frac{3}{4}$ inch,	Oval Heads, polished, for Butts, No. 5.....	.45
No. 546.	$1\frac{1}{2}$ inch,	Oval Heads, polished, for Butts, No. 9.....	.75
No. 547.	$\frac{3}{4}$ inch,	Fillister Heads, polished, for Flanges, No. 8..	.45
No. 548.	$1\frac{1}{8}$ inch,	Fillister Heads, polished, for Damper Lever Flanges, No. 7.....	.45
No. 549.	$1\frac{1}{2}$ inch,	Round Heads, polished, for Damper Lever Flanges, No. 7.....	.70
No. 550.	$1\frac{3}{4}$ inch,	Round Heads, polished, for Damper Lever Flanges, No. 11.....	.90

Locks

No. 553.	Brass, nickel plated, salvage and striker.....	per doz.,	\$1.20
No. 554.	Keys, triangle	per doz.,	.20
No. 555.	Escutcheons	per doz.,	.10

Action Bracket Bolts



No. 557.	Nickel plated head, $1\frac{1}{8}$ inch diameter, $4\frac{1}{2}$ inches long, without head	per doz.,	\$0.80
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Lag Screws

For Wrestplanks

No. 558.	Hexagon head, nickel plated, $\frac{1}{2}$ inch thick, 6 inches long	per doz.,	.80
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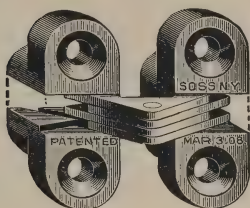
Capstan Screws

		Per Set	Per Doz.
No. 559.	Capstan Screws.....	\$1.10	\$0.20

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Soss Invisible Hinges



For piano fall boards wherever invisible joint is desired.

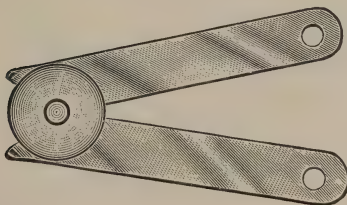
No. 560.	Brass, small size.....	per pair, \$0.30
No. 561.	Nickel plated, small size.....	per pair, .30
No. 562.	Brass, medium size.....	per pair, .35
No. 563.	Nickel plated, medium size.....	per pair, .35

Continuous Hinge



No. 565.	Nickel plated, length 5 feet.....	per hinge, \$1.10
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Knife Hinges

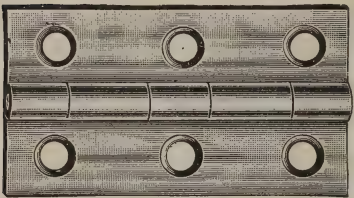


No. 566.	Bright steel, 3 1/8 inch.....	per pair, \$0.06
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Prices Net Wholesale, Postage Extra

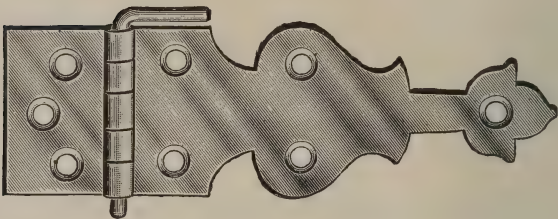
Piano Furnishings

Butt (Hinges)



- No. 567. Size 1¾ inches long, nickel plated.per doz. pair, \$1.30
No. 568. Size 2x3 inches, nickel plated.....per doz. pair, 4.80

Piano Hinges—Empire Top



- No. 569. Composition metal, nickel plated, 1¾x5½ inches, short
flap 1¼ inches from center of pin to edge of removable pin.
Per pair \$0.60

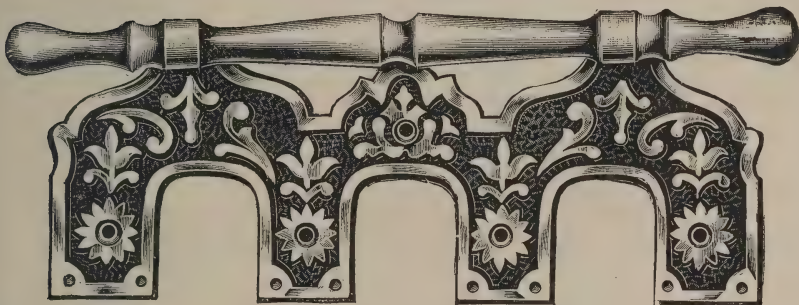
Leg Screws

- No. 768. Hardwood, for square pianos.....per doz., \$0.90

Prices Net Wholesale, Postage Extra

Upright Furnishings

Piano Pedal Guard Plates



No. 572. Pedal Guards, nickel plated, for 3 pedals.....each, \$0.40

No. 571. Pedal Guards, nickel plated, for 2 pedals.....each, .20

Universal Metal Polish

"Putz Pomade"



No. 424. Putz Pomade. Per box.....\$0.10

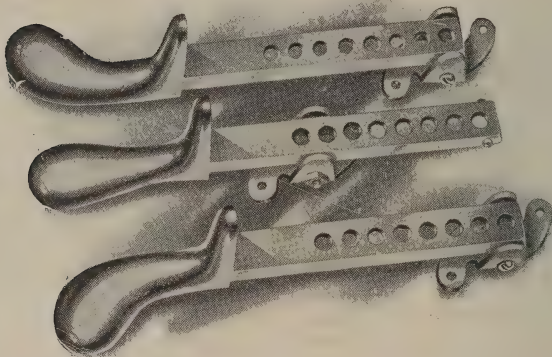
Per dozen boxes..... .75

Excellent for brass or nickel plated articles. In paste form, 3 oz. box.

Prices Net Wholesale, Postage Extra

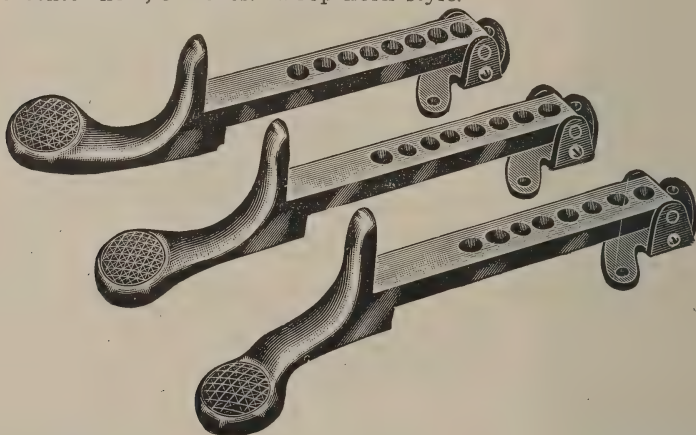
Upright Piano Furnishings

Pedal Feet



No. 573. Pedal Feet.....per set of three, \$0.40
Iron, nickel plated; entire length, $9\frac{1}{2}$ inches. From pin to center of hole, 3 inches. Drop horn style.

No. 574. Pedal Feet.....per set of three, \$0.50
Iron, nickel plated; steel mounting; entire length, $9\frac{1}{4}$ inches. From pin to center hole, 3 inches. Drop horn style.



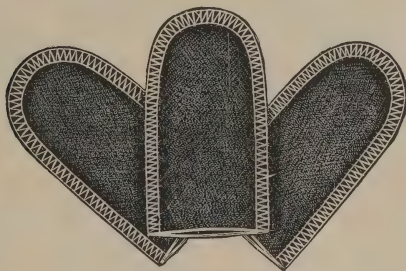
No. 575. Pedal Feet.....per set of three, \$0.75
Iron with solid brass knurled cap. Steel mounting. Entire length, $8\frac{1}{2}$ inches; from pin to center hole, 3 inches.

Prices Net Wholesale, Postage Extra

Dowels

- No. 425.** Dowels, hardwood, in sizes $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ inch, length, 36 inches.....per doz., **\$0.25**

Pedal Feet Covers



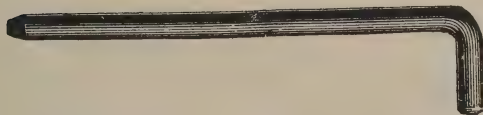
- No. 578.** Felt Covers; very desirable for protecting the plated pedal feet from being scratched and worn.....per set of 3, **\$0.08**
.....per doz., **.75**

Pedal Props



- No. 579.** Steel, with brass nuts; diameter of rod, $\frac{5}{32}$ inch; length of rod, $5\frac{1}{2}$ inches.....per doz., **\$0.15**
.....per 100, **.95**

Trap Pins

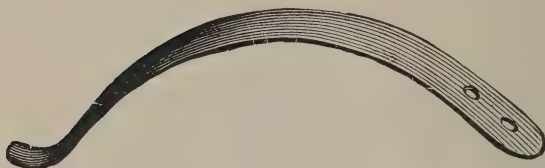


- | | | |
|-----------------|----------------------------------|---------------|
| | | Per Gross |
| No. 580. | Steel, copper finish.....large, | \$0.80 |
| No. 581. | Steel, copper finish.....medium, | .50 |
| No. 582. | Steel, copper finish.....small, | .30 |

Prices Net Wholesale, Postage Extra

Upright Piano Furnishings

Trap Springs



No. 583. Blue steel, best quality.....per doz., \$0.15

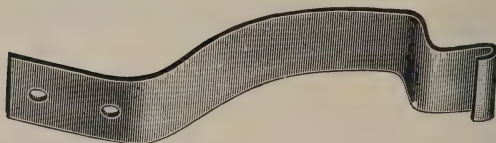
Leg Plates



No. 584. Wrought iron, bright, straight.....per doz. pairs, \$0.75

Panel Springs

For Lower Panel



No. 585. Blue steel, length $4\frac{3}{8}$ inches, width $\frac{1}{8}$ inch....per doz., \$0.25

Prices Net Wholesale, Postage Extra

Piano Furnishings

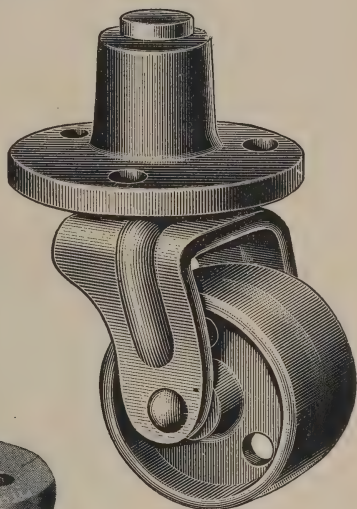
Piano Casters

No. 588. Large size, solid wheel,
diameter of wheel, $1\frac{3}{4}$ inches
.....per set, \$0.60

No. 589. Large size, double
wheel, diameter of wheel,
 $1\frac{7}{8}$ inches.....per set, 1.00

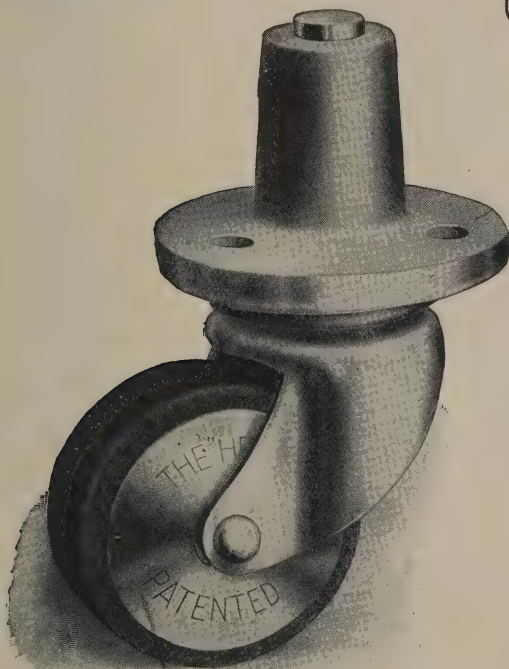
Piano Felt Casters

Specially designed for Grand and
Upright Pianos.



No. 590. Felt Caster
.....per set, \$2.50

The caster is made of the very best grade of carbon steel. The bearings are made of glass hard steel balls, held in dust-proof cases. The socket fits holes left by removing old casters and is held in place by three screws. After the socket has been attached, push caster in until it clicks. Felt wool wheels are perfect insulators. Diameter of wheel, 2 inches.



Grand Piano Casters

No. 591. Brass Casters with deep square brass sockets...per set of 3, \$5.00

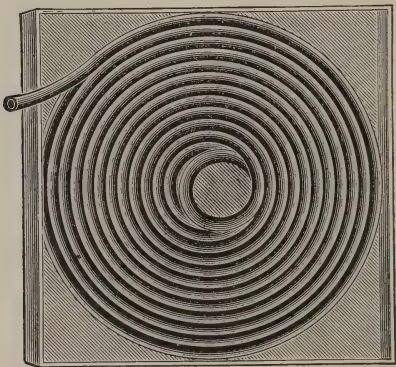
Prices Net Wholesale, Postage Extra

Player Parts and Player Supplies

Connections

- No. 601. "Y" Connectionsper doz., \$1.08
- No. 602. Straight Connections, to fit bending elbows. Length $1\frac{3}{8}$ inches, diameter .160.....per 100, .60
- No. 603. Elbows, large tracker, outside diameter .187....per doz., .85
- No. 604. Elbows, small tracker, outside diameter .156....per doz., .85

Tubing



- No. 605. Rubber Tubing, $\frac{1}{16}$ inch diameter, $\frac{3}{4}$ inch thick or wall. Per lb.\$0.85
 - No. 606. Rubber Tubing, $\frac{5}{32}$ inch diameter, $\frac{3}{16}$ inch thick or wall. Per lb.\$0.85
- If special sizes of tubing are desired, send in samples to insure correct size.

Pedal Rubbers



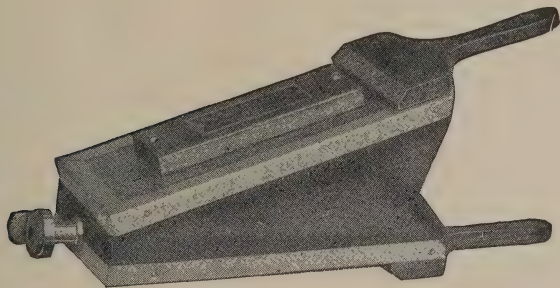
- No. 607. Rubber Pads.....per pair, \$0.25

Prices Net Wholesale, Postage Extra

Pedal Springs

- No. 732.** For Bellows, flat steel, 14 lbs. pressure power, 11½ inches long closedeach, \$0.20
- No. 733.** For Bellows, flat steel, 10 lbs., 8¼ inches long.....each, .15
- No. 734.** For Pedals, flat steel, 6 lbs pressure power, 8¼ inches long closedeach, .10
- No. 735.** For Pedals, flat steel, 6 lbs. pressure power, 6 inches longeach, .10

Player Tracker Suction Pump



- No. 627.** Tracker Bar Suction Pump. Very strong and durable, complete with new and improved pneumatic cushion pad mouth-piece of sponge rubber, which gives a perfectly air-tight contacteach, \$0.75

Professional repairmen will appreciate the new Combination Tool listed on page 35.

Prices Net Wholesale, Postage Extra

Player Piano Furnishings

RUBBER CLOTHS

Double Texture Cloths

- No. 651.** Medium Weight Double Texture Tan Colored Fabric, for Bellows, Feeders, etc.....per yard, **\$1.25**
- No. 652.** Double Texture Green Colored Fabric, for recovering Motors, Governors and Temp Boxes.....per yard, **1.40**
- No. 653.** Black, silk rubberized cloth, for recovering small Bellows, Pneumatics, etc.per yard, **1.25**
- No. 654.** White, silk rubberized cloth, for recovering small Bellows, Pneumatics, etc.per yard, **1.40**

For Organ Bellows

- No. 659.** Black Rubber Cloth for Bellows, medium thick, pliable per yard, **.55**
- No. 660A.** Black Rubber Cloth for Bellows, extra drill...per yard, **.60**

Above comes 36 inches wide.

<p>A money maker for repairmen is listed on page 84.</p>
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Prices Net Wholesale, Postage Extra

Player Piano Furnishings

LEATHERS

Pouch and Pneumatic Skins

No. 670. Pouch Skin.....per skin, \$0.60

Prepared from animal intestinal membrane. These skins are absolutely air tight, extremely flexible and will stand indefinite wear without hardening or cracking. The thickness about $\frac{1}{1000}$ inch. Size 26x8 inches.

Sheepskins

For Organs.

No. 671. Valve-skins, white Sheepskin, thin, soft and fine...per skin, \$3.00

No. 672. Mute-skins, white Sheepskin, soft and medium thick.....
.....per skin, 3.00

No. 673. Bellows Valve, brown or white Sheepskin, medium thick,
stiffper skin, 3.75

No. 674. Bellows Stretch Leather, white, medium.....per skin, 3.00

No. 675. Brown Fleshers, Buffed both sides.....per skin, 2.25

Diaphragm Leathers

For Player Bellows, Pneumatics, Etc.

No. 676. Light Brown Diaphragm or Pouch Leather for Primary
and Secondary Pouches and for covering Air Motors and striking
Pneumaticsper skin, \$2.25

No. 677. Dark Brown Diaphragm or Pouch Leather, for same
purposes as above.....per skin, 2.25

No. 678. Red Diaphragm or Pouch Leather, for same purposes as
aboveper skin, 2.25

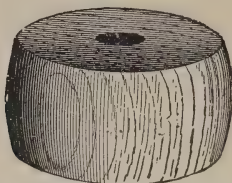
Each Skin will make about 300 Pouches.

Work Bench Vises listed on page 39 will interest you.

Prices Net Wholesale, Postage Extra

Organ Repairing Material

Casters

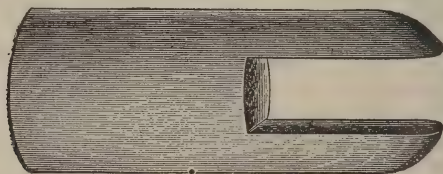


- No. 701. Boxwood Wooden Rollers, complete with Bar and Staples. Wheel $1\frac{1}{8}$ inches diameter, $\frac{1}{8}$ inch wide.....per set, **\$0.15**
 No. 702. Wood Rollers, egg shape, with Bar and Staples..per set, **.15**

Carpet

- No. 703. Tapestry Carpet, $6\frac{1}{2}$ inches wide and $10\frac{1}{2}$ inches long.
 Per pair **\$0.25**
 No. 607. Rubber Padsper pair, **.25**

Organ Trap Work Plugs or Fork



- No. 741. Length 3 inches, diameter $1\frac{3}{4}$ inches. Slot $1\frac{3}{4}$ inches deep, $\frac{7}{8}$ inches wide.....per doz., **\$0.20**
 No. 742. Length 5 inches, diameter $1\frac{3}{4}$ inches. Slot 2 inches deep, $\frac{7}{8}$ inch wide.....per doz., **.20**
 No. 743. Length 5 inches, diameter $1\frac{3}{4}$ inches. Slot $2\frac{1}{2}$ inches deep, $\frac{7}{8}$ inch wide.....per doz., **.20**
 No. 744. Fork for Organ Stop Rods, length 2 inches, width $\frac{1}{2}$ inchper doz., **.10**

Celluloid for Keys

See page 57.

Ivory Heads and Tails

For illustrations see page 56.

Ebony Sharps

For Ebony sharps see page 57.

Felt

- No. 312. Medium thin, for pallets—see page 47.
 No. 313. Medium thick, for swells—see page 47.
 No. 705. Heavy, for padding, etc.....per yard, **\$1.00**

Prices Net Wholesale, Postage Extra

Organ Materials

Pallet Rods

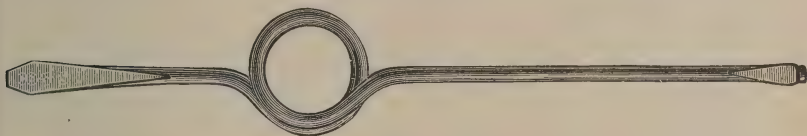
- No. 706. Pallet Rods, pine; $\frac{3}{16}$ inch diameter, $5\frac{1}{4}$ inches long, not leadedper doz., \$0.10
per gross, .95

Reeds

- No. 707. Not filed or voiced.....each, \$0.15
 No. 708. Not filed or voiced.....per octave, 1.50
 No. 709. Filed, tuned and voiced.....each, .30
 No. 710. Filed, tuned and voiced.....per octave, 3.00
 No. 711. Sub-bass reeds, to order.....1.25
 No. 712. Sub-bass reeds, extra large special sizes.....each, 2.00

In ordering reeds, send the defective reed, together with its octave above or below; otherwise we cannot insure correct tuning.

Reed Hooks

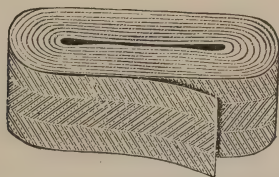


- No. 713. Reed Hooks; coppered iron, 8 inches long; combination screw driver and hook.....each, \$0.05
per doz. .45

Scrapers

- No. 714. Scraper, for tuning reeds, 8 inches long.....each, \$0.55

Webbing



- No. 715. For Pedals, brown, medium, $1\frac{7}{8}$ inches wide....per yard, \$0.05
 No. 716. White, extra strength, $1\frac{7}{8}$ inches wide......15
 No. 717. For Pedals, brown, medium.....per roll of 15 yards, .60

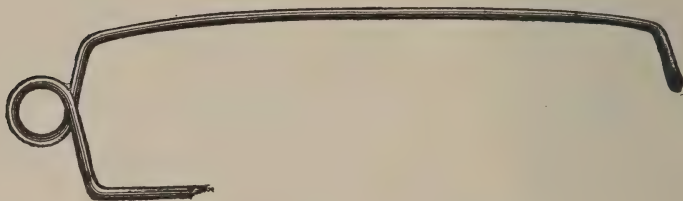
Prices Net Wholesale, Postage Extra

Organ Materials

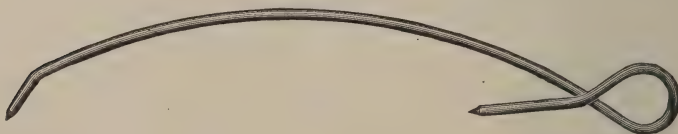
Mute and Swell Springs

- No. 718.** For Mutes and Swells, brass, straight pointed, 7 inches longper lb., \$1.20

Valve Springs



- No. 719.** For Valves, brass, double coil, medium pressured, $3\frac{1}{2}$ inches longper lb., \$1.75



- No. 720.** For Valves, brass whitened pointed both ends, 4 inches longper lb., \$1.75

Stop Faces

- No. 721.** Stop Faces, celluloid, $\frac{15}{16}$ inch diameter.....per doz., \$0.36

Stop Knobs

- No. 722.** Stop Knobs, straight, black, for $\frac{15}{16}$ inch face..per doz., \$0.36
No. 723. Stop Knobs, beveled, black, for $\frac{15}{16}$ inch face..per doz., .48

Prices Net Wholesale, Postage Extra

Organ Materials

Cloths

Rubber Cloth, for Bellows, see page 86; Rubber Cloth, see page 86.

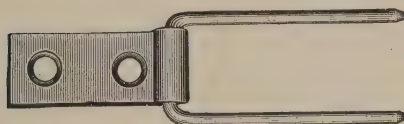
Coupler Buttons



- No. 724. For Keys, bushed, $\frac{5}{16}$ inch in diameter.....per doz., \$0.10
 No. 725. For Tracker Pins, $\frac{1}{2}$ inch in diameter.....per doz., .10

HINGES

Pedal Hinges



- No. 726. Brass, $\frac{7}{8}$ inch wide.....per doz., \$0.45

Butts, (Hinges)

- No. 727. Plain Iron Butts, 1x2 inches, easy joints.....per pair, \$0.05

Mute and Swell Butts

- No. 728. Mute and Swell Butts, easy joints, $\frac{1}{2}$ x1 inch....per pair, \$0.05

Leather

For illustrations and description see page 87.

Locks

For illustrations and description see page 74.

Pallets

- No. 704. Pallets, bushed, with felt and leather, $6\frac{1}{4}$ x $\frac{1}{2}$ inches, with $\frac{1}{2}$ inch slot.....each, \$0.08

Prices Net Wholesale, Postage Extra

Organ Materials

Stop Rods

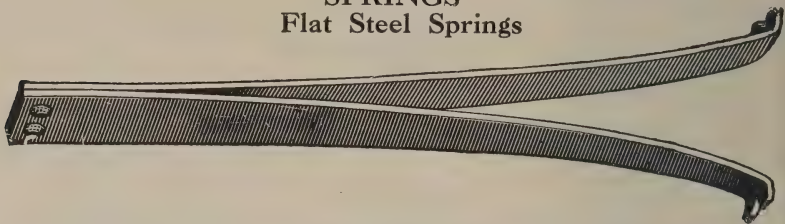
- No. 729. Stop Rods, black, $\frac{9}{16}$ inch diameter, $7\frac{1}{2}$ inches long with shoulderper doz., \$0.25

Valve Pins

- No. 730. Valve Pins, brass pointed, $1\frac{1}{2}$ inches long.....per lb., .80

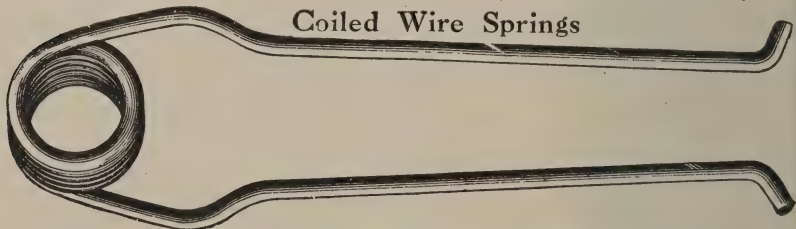
SPRINGS

Flat Steel Springs



- No. 731. For Bellows flat steel, 20 lbs. pressure power, $11\frac{1}{2}$ inches long, closedeach, \$0.20
 No. 732. For Bellows, flat steel, 14 lbs. pressure power, $11\frac{1}{2}$ inches long, closedeach, .20
 No. 733. For Bellows, flat steel, 10 lbs. pressure power, $8\frac{1}{4}$ inches longeach, .15
 No. 734. For Pedals, flat steel, 6 lbs. pressure power, $8\frac{1}{4}$ inches longeach, .10
 No. 735. For Pedals, flat steel, 6 lbs. pressure power, 6 inches long, closedeach, .10
 No. 736. For Pedals, flat steel, 16 lbs. pressure power, $11\frac{1}{2}$ inches long, closedeach, .20

Coiled Wire Springs



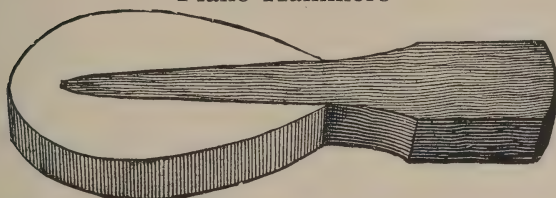
- No. 737. For Bellows, coiled wire, 16 lbs. pressure power, $11\frac{1}{2}$ inches long, closed.....each, \$0.20
 No. 738. For Pedals, coiled wire, 10 lbs. pressure power, $11\frac{1}{2}$ inches long, closed.....each, .15
 No. 739. For Pedals, coiled wire, 4 lbs. pressure power, 9 inches long, closedeach, .10
 No. 740. For Pedals, coiled wire, 20 lbs. pressure power, 9 inches long, closedeach, .20

Prices Net Wholesale, Postage Extra

Square Piano Furnishings

ACTION PARTS

Piano Hammers

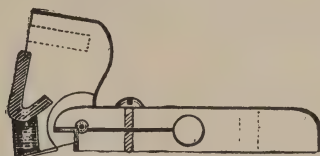


No. 751. Hammers in sets, bored to order, best quality..per set, \$6.00

No. 752. Each10

If boring is desired, either send all old hammers as samples, or the first and last hammer of each section, to insure correct boring.

Hammer Butts



No. 753. Hammer Butts and Flanges complete.....per set, \$6.00

No. 754. Hammer Buttsper doz., .90

No. 755. Hammer Butt Flangesper doz., .45

Flies and Jack



No. 756. Flies and Jacks complete.....per set, \$3.60

No. 757. Flies and Jacks complete.....per doz., .60

Jack Springs



No. 758. Jack Springsper 100, \$0.90

Damper Lifters



No. 759. Damper Lifters completeper set, \$0.80

Per doz.15

No. 760. Damper Lifter Buttons.....per 100, .15

No. 761. Damper Lifter Wire Rods.....per doz., .25

Prices Net Wholesale, Postage Extra

Square Piano Furnishings

Damper Heads

No. 762.	Damper Heads	per doz.,	\$0.30
No. 540.	Regulating Screws	per lb.,	.50
No. 541.	Regulating Buttons	per gro.,	.25

Hammer Shanks



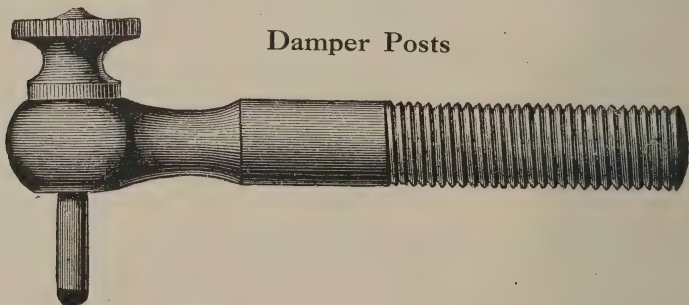
		Per Doz.	Per Gro.
No. 504.	Maple Shanks	\$0.05	\$0.50
No. 505.	Cedar Shanks .....	.10	.75

Back Checks

		Per Set	Per Doz.
No. 763.	Back Checks	\$3.00	\$0.50

Nose Bolts

No. 764.	Steel, best quality, 5¼ inches long.....	per doz.,	\$0.75
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Damper Posts

No. 765.	Steel, nickel plated, 3¼ inches long.....	per doz.,	\$3.00
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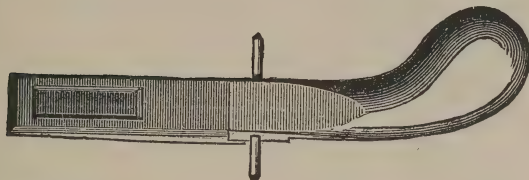
Locks

No. 766.	Brass, nickel plated, selvedge and striker.....	each,	\$0.10
No. 767.	Keys, square	per doz.,	.20

Prices Net Wholesale, Postage Extra

Square Piano Furnishings

Piano Pedal Feet



No. 769. For square or grand piano. Iron, nickel plated; entire length 9 inches; from pin to end 4 inches.....per pair, \$0.25

No. 770. For square or grand pianos. Iron, nickel plated; entire length 7¾ inches; from pin to end 4 inches.....per pair, .25

Moulders' Pattern Bellows

Majority of piano actions are ruined through moths and accumulations of dirt. Every piano tuner should carry one of these bellows.

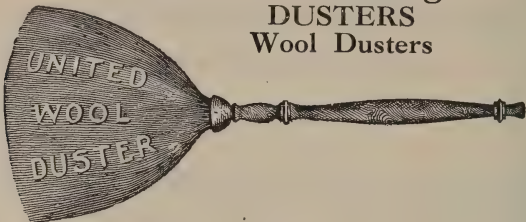


No. 801.	6 inch Bellows.....	each, \$0.50
No. 802.	9 inch Bellows.....	each, .70
No. 803.	10 inch Bellows.....	each, .80
No. 804.	11 inch Bellows.....	each, .90
No. 805.	12 inch Bellows.....	each, 1.00

Bellows are made of fine leatherett finish in a very attractive manner; light weight and have a pointed nozzle.

Prices Net Wholesale, Postage Extra

Piano Furnishings
DUSTERS
Wool Dusters



- No. 815. 8 inch brush, 10 inch handle.....per doz., \$4.00
- No. 816. 9 inch brush, 12 inch handle.....per doz., 6.00

Made of long combing, Canadian wool in beautiful colors. When soiled the wool can be readily washed with soap and water.

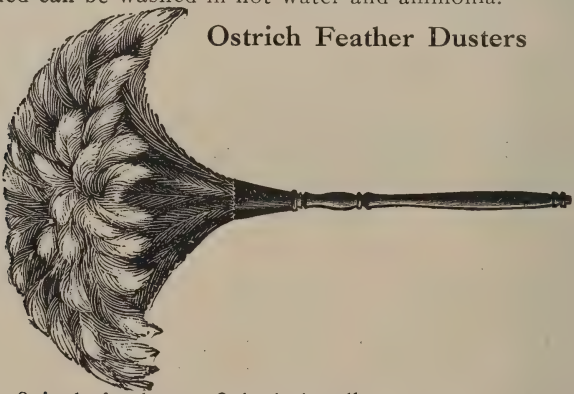
Flat Woven Down Dusters



- No. 817. 6x 9 inches, 9 inch handle.....per doz., \$13.80
- No. 818. 6x10 inches, 16 inch handle.....per doz., 15.00

Made of soft down feathers woven into cloth, double faced, durable. When soiled can be washed in hot water and ammonia.

Ostrich Feather Dusters



- No. 819. 8 inch feathers, 8 inch handle.....per doz., \$12.00
- No. 820. 10 inch feathers, 12 inch handle.....per doz., 18.75
- No. 821. 12 inch feathers, 14 inch handle.....per doz., 24.75

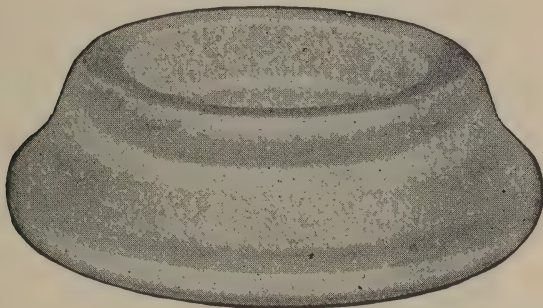
Light colored, South American feathers, softest ostrich duster made; washable.

Prices Net Wholesale, Postage Extra

Piano Furnishings

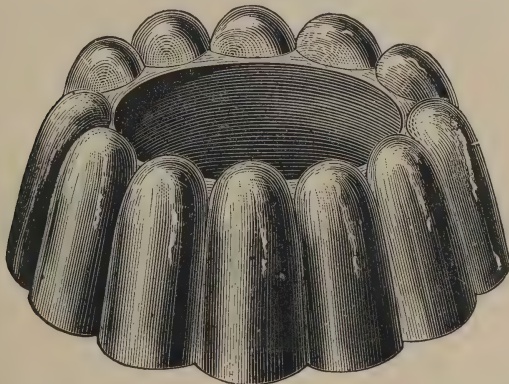
PIANO CASTER CUPS OR INSULATORS

Porcelain Glazed Insulators



- No. 825.** Caster Cups, porcelain glazed, rich brown mahogany color. Will not mar floors. Slides easily..... \$0.35
 Per set of four..... 3.00
 Per dozen sets..... 3.00
- No. 826.** Caster Cups, same as above, for Victrolas.
 Per set of four..... .35
 Per dozen sets 3.00

Glass Insulators



- No. 827.** Insulators, glass, fancy pattern, white....per set of four, \$0.35
No. 828. Insulators, blueper set of four, .35
No. 829. Insulators, amberper set of four, .35
No. 830. Insulators, greenper set of four, .35

Prices Net Wholesale, Postage Extra

Piano Furnishings

PIANO CASTER CUPS OR INSULATORS

Felt Bottom Hardwood Caster Cups



No. 831. Caster Cupsper dozen sets, \$4.00
Per set40
Furnished in oak finish only.

Cork Bottom Hardwood Caster Cups



No. 832. Caster Cups.....per dozen sets, \$3.00
Per set30
Furnished in Golden Oak, White Maple, Mahogany and Walnut.

Prices Net Wholesale, Postage Extra

Piano Furnishings

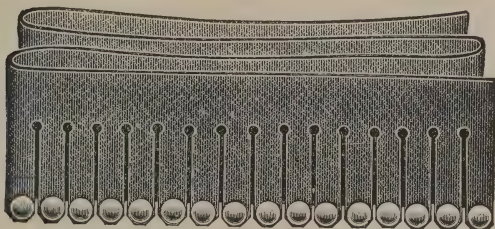
NOVELTIES

Price Card Holder



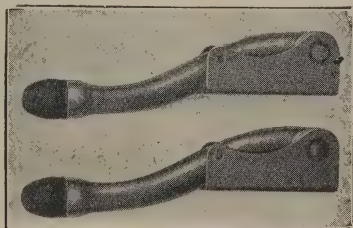
No. 840. Price Card Holder, for marking pianos, etc.; oak finish
per doz. **\$0.65**

Mandolin Attachment



No. 841. Mandolin Attachment; made of leather and has metal buttons. Easy to attach..... **\$1.25**

Piano Bench Transformer Brackets



A simple metal device, used to convert a piano bench into a player bench, by attaching on the inside of the music compartment, can be turned down when not being used, and will not reduce the sheet music compartment capacity. Neatly finished, tipped with heavy rubber.
 Bench Converter.....per set, **\$0.35**

Prices Net Wholesale, Postage Extra



Piano and Furniture Polish

We endorse "Zol" unqualifiedly.

No. 46. 8 oz. bottle, packed 1 dozen
in a box.....per doz., \$2.20

No. 48. Half-gallon bottles..per gal., 2.10
For gross quantity prices, write us.

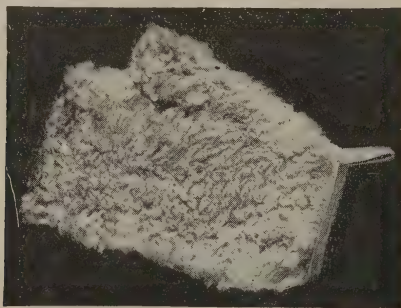


Cheese Cloth

For cleaning and polishing piano cases.

No. 842. White, 36 in. wide..per yard, \$0.07

Everlasting Dustless Polishing Pads and Mittens



Made of best quality selected sheep skin, with the wool left on. Has no equal for polishing high grade woods. Will not streak or smear. Does not scatter dust.

No. 843. Mitten, size 10x7 inches, square corners.....each, \$0.75

No. 844. Pad, size 7½x4½ in., leather back, oval shape..per doz., 2.10

Prices Net Wholesale, Postage Extra

Piano Pedal Extension

Intended for the use of young children during their early studies.
The best Pedal Extension ever put on the market, simple, noiseless
and easily adjusted and easily removable from the piano.



One of the many products of our own factory.

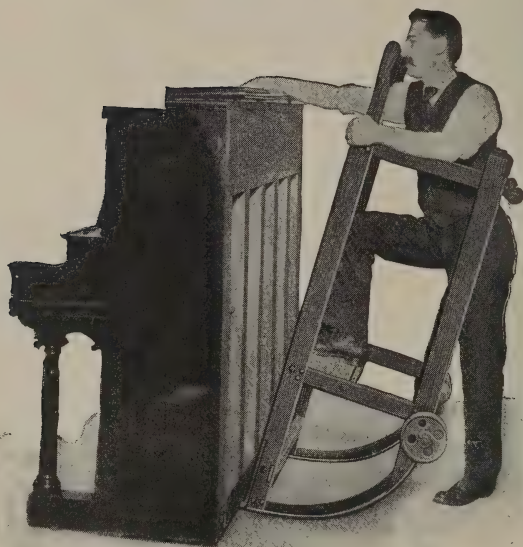
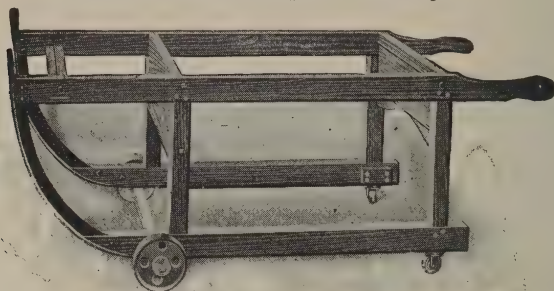
No. 845. Pedal Extension.....each, **\$3.75**

Made out of metal, dull black japanned and is indestructible. After proper adjustment a child can attach it by simply slipping the pedal holder over the piano pedal. To detach withdraw complete extension. The desired height is attained by adjusting the extension rods under the foot part. The stationary height is $7\frac{1}{2}$ inches, width 11 inches and depth 9 inches. Weight $5\frac{1}{2}$ lbs.

Prices Net Wholesale, Postage Extra

Lyon & Healy Repair Truck

A necessity for Shop and Factory.



Above photograph shows how easy it is to load a piano upon the Lyon & Healy Truck. The weight of the man in this picture is 128 lbs. and the piano weight 850 lbs. Mark the fact that only one man's services are required to place the piano in this position. The movable casters in the rear make it possible to swing the instrument around in a very small space. These trucks are shipped knocked down and crated. Shipping weight about 75 lbs.

No. 900. Truck.....\$14.00

Prices Net Wholesale, Postage Extra

Canvas Cushion



No. 906. Cushions.....per pair, \$6.00

Made of 12 oz. canvas, stuffed with cotton. Length, 30 inches; width, 12 inches; thickness, 4 inches. By having a cushion under each end of piano while hauling safe delivery is insured.

Piano Truck Strap

For Strapping Pianos in Wagon.

No. 905.....each, \$4.00

Heavy 4 inch web and 18 inch heavy harness leather strap on each end. 1¾ inch buckle. Entire length, 12 feet.

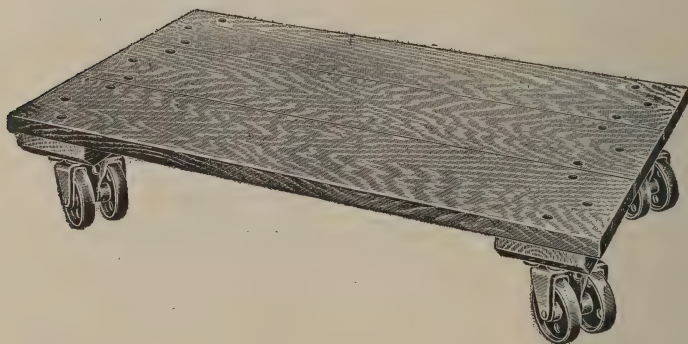
Special length made to order, Extra per foot.

Piano Dollie or Skeleton Moving Truck



No. 909. Dollie. Made of best hickory wood. Length 34 in., width 22 inches. Fitted with Martin Casters and cushioned with carpet. \$6.00

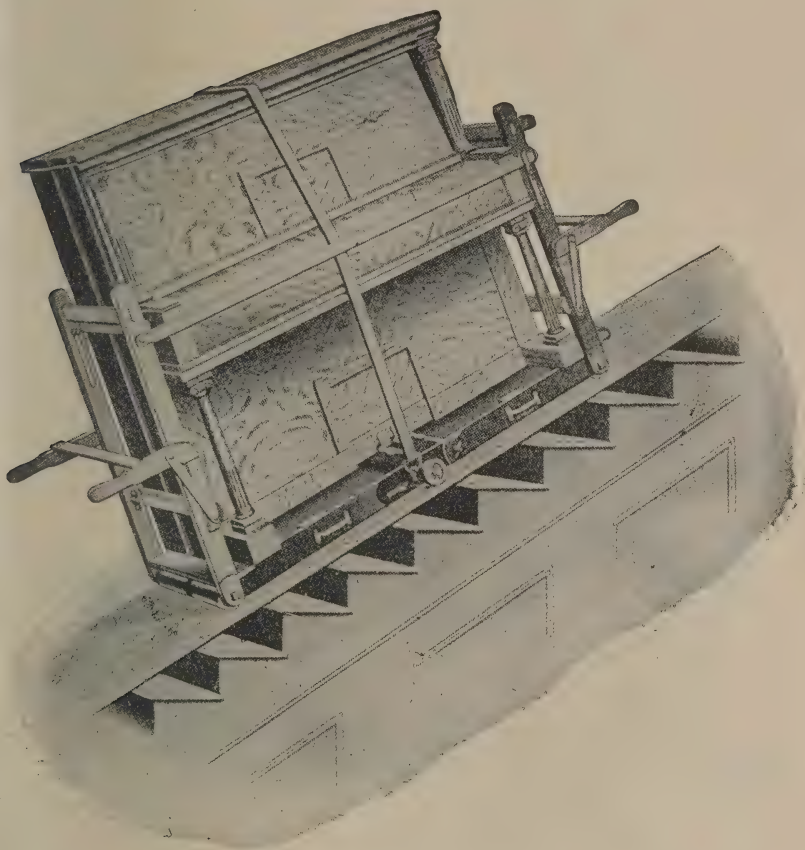
Solid Floor Dollie or General Utility Store Truck



No. 910. Dollie. Made of best hickory wood. Length 34 in., width 22 inches, top $\frac{7}{8}$ inch thick. Fitted with Martin Casters. \$6.50

Prices Net Wholesale, Postage Extra

Reynold's Combination Piano Mover



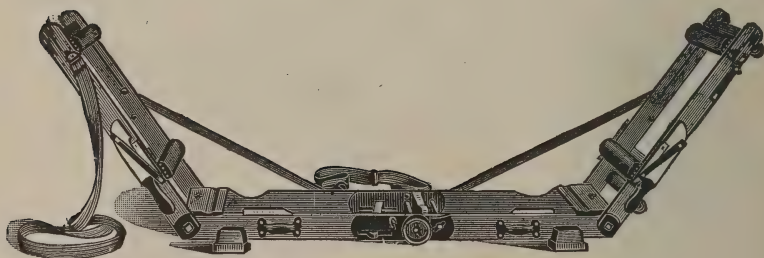
This cut shows the Reynold's Combination Mover with piano on the stairs.

Prices Net Wholesale, Postage Extra

Reynold's Combination Piano Mover

One of the special features of this mover is its adaptability for all styles of pianos; upright, square or grand; the construction being such that it can be easily and quickly lengthened to receive a square or grand piano or shortened to receive an upright. The latest improved truck differs from former combination mover in the end standards, which are here lengthened and have attached thereto at one end heavy ball-bearing casters, so that the piano can be turned on end and rolled in that position when turning and moving in difficult places, such as stair landings, halls, etc. Each end roller is provided with a strong ratchet, which prevents the truck from rolling back when going upstairs and holds it when going down, thus allowing the operator to stop the mover in safety at any point. Made of strongest and best qualities of wood.

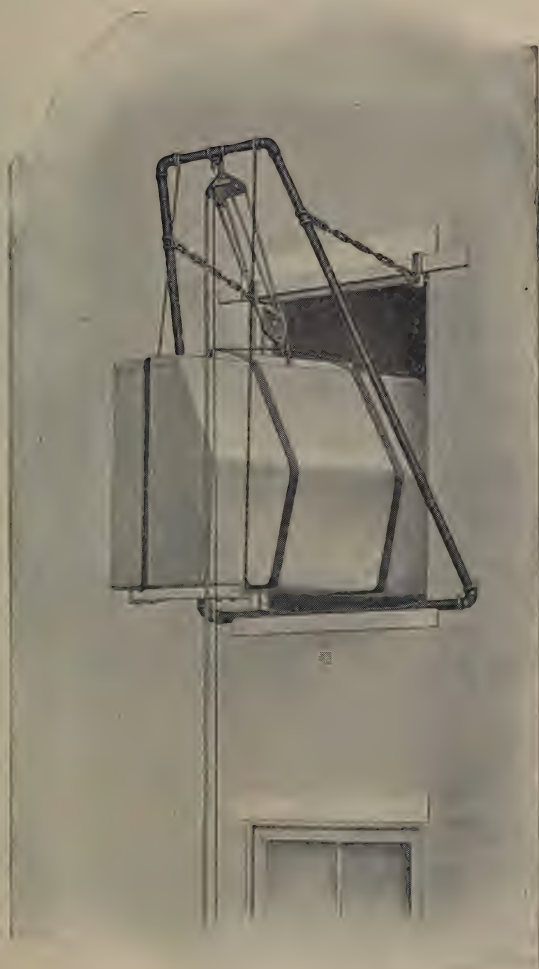
In Position to Receive Upright Piano.



No. 915. Hickory wood with straps complete.....\$25.00

Prices Net Wholesale, Postage Extra

Piano Hoist



See page 108 for description

Prices Net Wholesale, Postage Extra

Piano Hoist

This Piano Hoist is made of steel and wrought iron. The frame of the hoist is a special double thick steel pipe and is so constructed that almost the entire weight of the piano comes upon the pipe endwise. The bottom of the frame is curved so as to take a firm bearing upon nearly the entire length and width of the window sill so that the full weight of the piano upon hoisting comes upon the window sill. The top of the hoist when in use is held in position by two wrought chains. Two bolts with hooks to engage these chains, extend from the outside of the window frame, and are firmly clamped to a hardwood cross piece on the inside and at the top of window frame. This clamp is adjustable to walls of different thicknesses. One of the most useful features of this hoist is the swing. The upper end of the swing is attached to the top so as to move easily. The lower end of the swing is fastened to the frame until the piano is raised sufficiently high to permit it to swing under the piano. When the piano is lowered until the outer end rests under the outer piece of the swing, the inner end of the piano can then be swung into the house and the swing will carry the outer end. The cuts illustrate the operation of the swing and the manner of taking a piano in or out of a window. The hoist complete weighs 125 lbs.

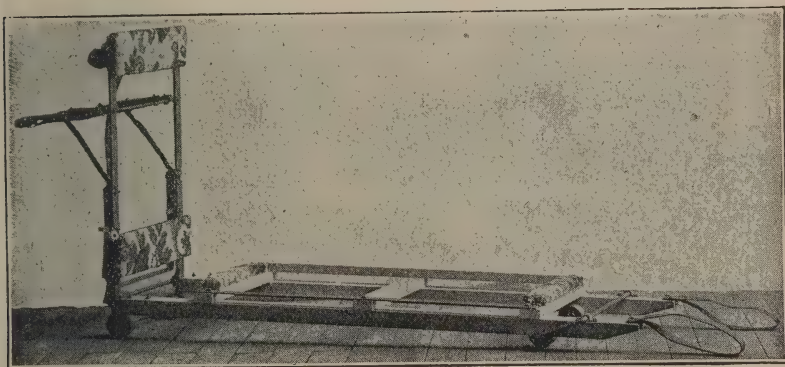
- No. 916.** Piano Hoist, without harness, rope or tackle block.....\$20.00
- No. 917.** Harness for hoist, best oak tanned leather and strong webbing \$11.50
- No. 918.** Manila Rope, $\frac{3}{4}$ inch thick and 250 feet long..... \$14.75
- No. 919.** Tackle Block, sure grip, best quality..... \$8.75

The engaging chains must not be placed lower than 18 inches from top of hoist frame. Shipped direct from factory.

See page 107 for illustration.

Prices Net Wholesale, Postage Extra

Inexpensive Practical Piano Moving Truck



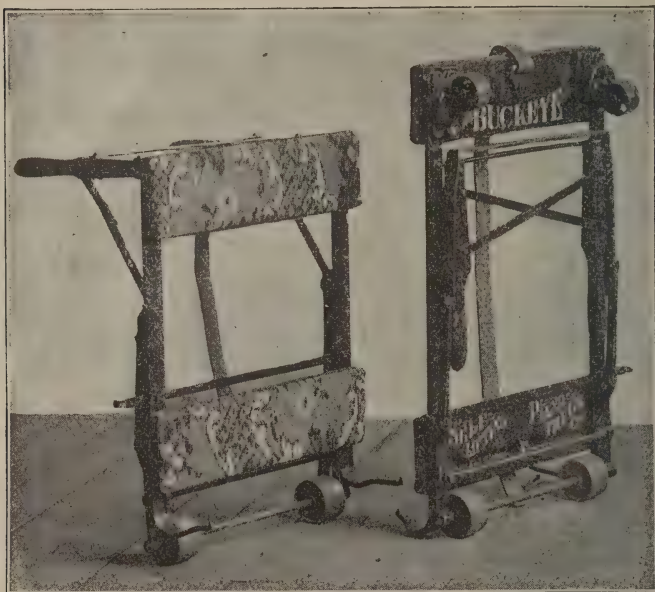
No. 920. Truck with straps complete.....\$17.00

A combination truck. The frame is made of hardwood, well bolted together. Front wheels adjust themselves by lifting up on the lifting straps. You can have truck flat on the floor or mounted on its wheels. Can put piano on end or at an angle. It is low down so that it adds but little to the height of piano, which is a big item when going up or down a stairway with low ceiling. Weighs 70 lbs. complete; is strong and durable.

For Gluing Ivories we guarantee our new own make
Ivory Glue. See page 58.

Prices Net Wholesale, Postage Extra

Inexpensive Practical Piano Moving Truck



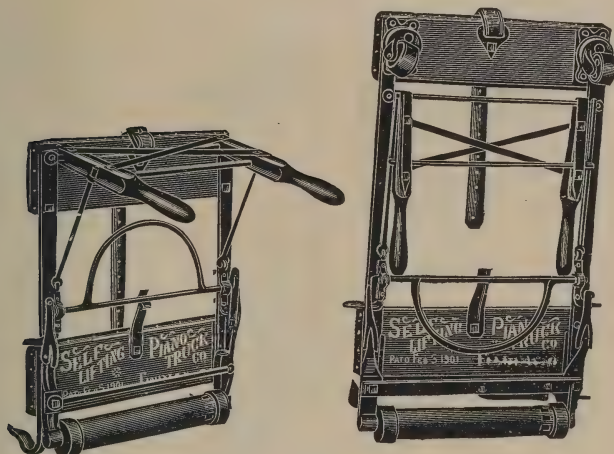
No. 925. Truck with straps complete.....\$17.45

Self-lifting. Is an exact duplicate of the Findlay Truck, except that it has wheels in the place of rollers and has no lock. The cut shows the bail of the long part turned up, thus leaving the hooks on which the piano rides down the floor ready to push under piano. On the short end the hooks are shown up off the floor, which is brought about by simply turning the bail down, thereby mounting truck on its wheels. The leverage of the bail is so great that a child can truck a piano. It is a truck always ready and weighs about 60 lbs.

Prices Net Wholesale, Postage Extra

The Findlay Self-Lifting Piano Truck

Small in size, light in weight, easily handled and amply strong. Always ready, and fits every upright piano without adjustment. Absolutely no lifting to truck the instrument.



With Lifting Handles.

No. 930. With Straps, complete.....each, \$27.51'

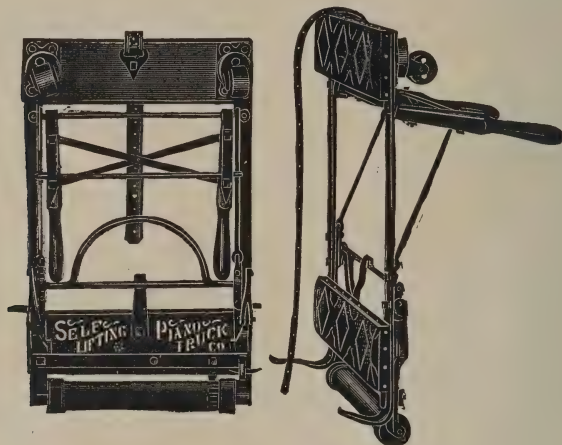
Made of best crucible steel, hardwood and iron, tubular iron rollers, forged roller boxes, ratchet lock, nicely painted and upholstered. Complete with best harness leather straps and extra heavy web, 3½ inches wide.

The cuts show the simplicity of these trucks. Two pieces. One is applied at each end of the piano; by pushing the bail down you truck the piano instantly. The leverage being automatic in its construction, requires no extra parts or movements to hold the piano to its raised position. The handles fold up in the frame of the truck out of the way when you want to put the piano on end, and are held in place by a coil spring in the head of the handles.

Prices Net Wholesale, Postage Extra

The Findlay Double End Truck

Small in size; light in weight; easily handled and amply strong. Always ready and fits every upright piano without adjustment. Absolutely no lifting to truck the instrument.



No. 935. Double End Truck, with Lifting Handles and Straps complete\$30.50

Made with both parts like the long part of No. 930, with roller bearing casters and ratchet lock on both parts, thereby making it a double end truck, that is you can put the piano on either end and roll it. This often saves turning piano around, and having a lock on both parts, you can keep piano from rolling either way while in the wagon. A very desirable truck for hilly country. Materials, finish and accessories same as with No. 930.

No. 940. Truck, same as No. 935, but has smooth roller, ball bearing, instead of the flanged or capped roller shown on No. 1503; has iron casters..... \$35.23

No. 945. Same as No. 940, equipped with rubber tired casters..... 37.58

Prices Net Wholesale, Postage Extra

INDEX

A

Abstract, Upright	68
Abstract Cloth	48
Action Bolt Wrench	27
Action Cloth	46-47-48-49
Action Felts	46-47-48
Action Parts	68 to 74
Action Regulators	12 to 15
Action Repinning Tools	23
Action Springs, Square	93
Action Springs, Upright	71
Alcohol Lamps	28

B

Back Checks, Square	94
Back Checks, Upright	72
Back Check Felt	47
Back Check Regulator	12-13
Back Check Wires	72
Bar, Tracker	83
Bass Damper Wedges	73
Bellow Cloth, Rubber	86
Bellows, Moulders'	95
Bench Vise	39
Bench Transformer	99
Benders, Spoon	14
Billings Brass Flanges	69
Bits, Key Lead	22
Bits, Spoon	22
Bits, Tuning Pin	22
Black Lead	61
Blades, Screw Driver	7
Blocks, Damper, Upright	72
Bluing, Lion Brand	53
Bolts, Bracket	74
Braces, Screw Driver	10
Braid, Stringing	49
Bridge Pins	54
Bridle Straps	70
Bridle Strap Tacks	20
Bridle Strap Tips	70
Bridle Strap Inserter	20
Bridle Wires	72
Bridle Strap Knife	20
Broach Handle	23
Brushes, Varnish	58
Burning-In Knife	28
Bushing Cloth	48
Bushing Knife	23
Bushings, Brass Tuning Pin	61
Buttons, Organ Coupler	91
Buttons, Key	70
Buttons, Regulating	73
Buttons, Rubber	55
Buttons, Sound Board	54
Butt Hinges	76
Butts, Upright	68
Butts, Square	76
Butt Plates	70

C

Cabinet Glue	59
Cans, Oil	28

Caps, Rubber	55
Caplan's Ivory Powder	63
Capstan Screws	74
Capstan Screw Driver	16
Capstan Screw Regulator	14
Card Holder	99
Carpets, Organ Pedal	88
Casters, Organ	88
Casters, Piano	81
Caster Cups	98
Celluloid	57
Celluloid Glue	58
Center Pin Box	24
Center Pin Punch	26
Chamoline	62
Chamois	62
Champion Screw Driver	10
Cheese Cloth	100
Chuck Drill	9
Clamps, Ivory	38
Cloth, Action	47-48
Cloth, Bushing	48
Cloth, Cheese	100
Cloth, Rubber	86
Combination Screw Driver	6
Combination Holder	6
Combination Pliers	35
Connections, Straight and Y	82
Continuous Hinges	100
Coupler Buttons	91
Covered Strings	52
Cushion	103

D

Damper Blocks	72
Damper Flanges	69
Damper Heads, Square	94
Damper Heads, Upright	72
Damper Lifters, Square	93
Damper Lifter Buttons, Square	93
Damper Lifter Wire Rods, Square	93
Damper Post, Square	94
Damper Regulator	12-14
Damper Screws	73
Damper Spoon Benders	72
Damper Spoons	72
Damper Wedges	73
Damper Wires	73
Desk Knobs	55
Diaphragm Leather	87
Dollies	104
Double Head Screw Driver	13
Dowels	79
Dowel Bender	13
Dusters, Piano	96

E

Ebony Sharps	57
Edge Cutting Nippers	36
Elbows, Brass, for Players	82
Empire Hinges	76
Escutcheons	74
Extractors, Pin	18

INDEX—Continued

F

Faces, Stop.....	90
Fall Board Knobs.....	55
Felt Knives.....	32
Felt, Muffler.....	46
Felt, Action.....	46 to 48
Felt, Damper.....	46
Felt Pickers.....	17
Felt Picker Needles.....	17
Findlay Truck.....	111-112
Flange Plates.....	70
Flanges, Square.....	93
Flanges, Upright.....	69
Flat Nose Plier.....	36
Flies or Jacks, Square.....	93
Flies or Jacks, Upright.....	71
Forks, Tuning.....	19
French Spirit Varnishes.....	64

G

Gauges, Wire.....	52
Glue, Celluloid.....	58
Glue, LePage's.....	59
Glue, Lion Brand.....	59
Glue Pots.....	59
Glue Holder.....	28
Grand Action Damper Easier.....	30
Grand Action Screw Driver.....	30
Grand Hammer Butt Spacer.....	30
Graphite.....	61
Guards, Pedal.....	77

H

Halé Tuning Hammer.....	4
Hallet & Davis Jack Regulator.....	15
Hammers, for Driving in Tuning Pins.....	39
Hammer Butts.....	68
Hammer Flanges.....	69
Hammer Butt Felt.....	47
Hammer Butt Springs.....	70
Hammer Felt.....	46
Hammer Iron.....	19
Hammer Heads, Tuning.....	3
Hammer Rail Cloth.....	49
Hammer Shanks.....	68
Hammer Shank Burning Lamps.....	28
Hammer Shank Drill.....	13
Hammer Heads.....	68
Hammer Shank Plier.....	37
Hammer Shank Roller.....	33
Hammer Extractor.....	21
Hammers, Tuning.....	1 to 5
Hand Drill.....	10
Hand Vise.....	16
Handles.....	6, 7, 23
Harness for Hoist.....	108
Harp Felt.....	46
Hinges.....	75-76
Holder, Center Pin.....	16
Holder, Tool.....	11
Holder, Wire.....	25
Hoist.....	107
Hooks, Reed.....	89

I

Insulator.....	97-98
Invisible Hinges.....	75

Ivory.....	56
Ivory Clamps.....	38
Ivory Glue.....	58

J

Jack Rockers.....	70
Jacks, Square.....	93
Jacks, Upright.....	71
Jack Springs, Square.....	93
Jack Springs, Upright.....	71

K

Key Buttons.....	70
Key Center Hole Punch.....	23
Key Lead Bits.....	22
Key Leads.....	54
Key Pins.....	54
Key Plier.....	37
Key Rail Cloth.....	49
Key Reamer.....	15
Key Rebushing Knife.....	23
Key Rebushing Wedge.....	23
Key Spacer.....	12
Keys, for Square.....	94
Keys, for Upright.....	74
Kits, Tuners'.....	43-44-45
Knife Hinges.....	75
Knives.....	32
Knobs, Desk.....	55
Knobs, Stop.....	55

L

Ladder Chain.....	83
Lag Screws, Upright.....	74
Lamps, Alcohol.....	28
Leathers and Skins.....	87
Leg Plates.....	80
Levers, Damper Upright.....	73
Lifter, String.....	22
Liquid Glue.....	59
Locks, Square.....	94
Locks, Upright.....	74

M

Mandolin Attachment.....	99
Mason & Hamlin Wrenches.....	5
Midget Screw Driver.....	8
Muffler Felt.....	46
Music Wire.....	52
Mutes.....	31
Mute Spring.....	31

N

Nail Props.....	79
Nails, Rubber Head.....	55
Name Board Felt.....	47
Needles for Felt Picker.....	17
Nippers.....	34-36
Nose Bolts, Square.....	94

O

Oil Cans.....	28
Organ Bellows Cloth.....	86-87
Organ Bellows Springs.....	92
Organ Casters.....	88

INDEX—Continued

Organ Coupler Buttons	91
Organ Hinges	91
Organ Padding Felt	88
Organ Knobs	90
Organ Materials	88 to 92
Organ Pedal Carpet	88
Organ Pedal Springs	92
Organ Reeds	89
Organ Reed Hooks	89
Organ Rubber Pedal Pads	82
Organ Reed Scraper	89
Organ Screw Driver	10
Organ Stop Rods	92
Organ Stop Faces	90
Organ Swell Springs	90
Organ Springs	92
Organ Trap Plug	88
Organ Valve Skins	87
Organ Valve Spring	90
Outfits, Polishing	38
Outfits, Varnish	38

P

Pads, Rubbing	38
Pads, Rubber	82
Panel Springs	80
Parallel Plier	37
Perfect Pocket Oiler	28
Pedal, Square	78
Pedal, Upright	78
Pedal Carpets	88
Pedal Rubber Pads	82
Pedal Extension	101
Pedal Guards	77
Pedal Hinges	91
Pedal Slipper	79
Pedal Webbing	89
Piano Butts	76
Piano Casters	81
Piano Damper Felt	46
Piano Dusters	96
Piano Glue Pots	59
Piano Hammer Felt	46
Piano Hammers	68
Piano Hinges	75-76
Piano Locks, Square	94
Piano Locks, Upright	74
Piano Pedals	78
Piano Polish	100
Piano Polishing Pads	65
Piano Polishing Mitt	100
Piano Rubbing Felt	48
Piano Strings	52
Piano Screw Driver	7 to 10
Piano Trucks	102 to 112
Piano Action Cloth	46-47-48
Piano Action Felt	47
Pin Extractor	18
Pin Vise	16
Pins, Bridge	54
Pins, Center	53
Pins, Desk	53
Pins, Key	54
Pins, Plate	54
Pin Setter	18
Planes	39
Plate Pins	54
Plates, Flange	53

Player Parts	82-83
Player Tracker Bar Cleaner	84-85
Player Pedal Springs	85
Pliers	35-36-37
Plug, Trap	88
Pliers	35-36-37
Pneumatic Cloth	86
Pneumatic Skins	87
Polishing Mitt	100
Polishing Pad	38
Polishing Varnish	58-64
Pouch Skin	87
Pouch Leather	87
Props, Pedal	79
Pumice Stone	60
Pumps, Tracker Bar	84-85
Punches	26
Punchings	50
Punching Cloth	48
Punching Outfit	50
Putz Pomade	77

R

Rail Flanges	69
Ratchet Screw Driver	9
Reed Hooks	89
Reed Scraper	89
Regulating Buttons	73
Regulating Pliers	37
Regulating Screws	73
Regulating Screw Driver	12
Regulators, Action	37
Repair Outfits	65-67
Repair Truck	102
Reynolds' Combination Trucks	105
Rockers, Upright	70
Rocker Screw Driver	13
Rods, Stop	90
Rolls, Tuners	42
Rosewood Buttons	55
Rotten Stone	60
Round Nose Pliers	36
Rubber Bellow Cloth	86
Rubber Tubing	82
Rubbing Pads	65
Rubbing Varnish	64

S

Sandpaper	60
Sandpaper File	33
Satchels, Tuners	40-41
Savloid Glue	58
Scissors	24
Scrapers, Reed	89
Scrapers, for Wood and Ivory	26-27-58
Screws	74
Screw Driver and Bits	7-8-9-10
Screw Holder	16
Screws, Capstan	74
Screws, Regulating	73
Shanks, Hammer	68
Sharps	57
Shaver	26
Sheep Skin	87
Shellac, Stick	60
Shims	61
Shimming Tool	29
Skins and Leather	87

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